ORIGINAL

BEFORE THE ARIZONA CORPORATION COMMISSION

CARL J. KUNASEK
CHAIRMAN
JIM IRVIN
COMMISSIONER
WILLIAM A. MUNDELL
COMMISSIONER

IN THE MATTER OF QWEST CORPORATION'S COMPLIANCE WITH § 271 OF THE TELECOMMUNICATIONS ACT OF 1996	DOCKET NO. T-00000B-97-0238

EXHIBITS OF

KAREN A. STEWART

QWEST CORPORATION

(REDACTED VERSION)

July 21, 2000

INDEX OF EXHIBITS

INDEX OF EXHIBITS (con't.)

INTERIM LINE SHARING AGREEMENT

This Interim Line Sharing Agreement ("Agreement") between U S WEST Communications, Inc. ("ILEC") and @Link Networks, Inc., Arrival Communications, Inc., BridgeBand Communications, Inc., CDS Networks, Inc., Contact Communications, DIECA Communications, Inc. d/b/a Covad Communications Company, Jato Communications Corp. on behalf of its operating subsidiaries Jato Operating Corp. and Jato Operating Two Corp., Montana Wireless, Inc., MULTIBAND Communications, Inc., New Edge Network, Inc. d/b/a New Edge Networks, NorthPoint Communications, Inc., RHYTHMS LINKS, INC., and Western Telephone Integrated Communications, Inc. ("CLEC" or "CLECs") is entered into this 24th day of April, 2000, to govern deployment of line sharing in the states of Arizona, Colorado, Idaho, Iowa, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming. The Agreement is effective as of the date referenced in the preceding sentence and will terminate on a state-by-state, CLEC-by-CLEC basis when line sharing amendments to the interconnection agreements between ILEC and CLECs are approved by the relevant state public utility commissions as required by paragraph 36 below. ILEC and CLECs are referred to in this Agreement individually as a "Party" or collectively as the "Parties."

GENERAL

1. ILEC will provide CLEC with access to the frequency range above the voiceband on a copper loop facility used to carry analog circuit-switched voiceband transmissions. This frequency range will be referred to in this document as the "high frequency spectrum network element" or "HUNE". CLEC may use this access to provision any voice compatible xDSL technologies. Specifically permissible are ADSL, RADSL, G.lite and any other xDSL technology that is presumed to be acceptable for shared line deployment in accordance with FCC rules. Under this Agreement, "line sharing" is defined as the situation that exists when the CLEC has access to the HUNE and provides xDSL services on a loop that also carries ILEC POTS.

2. To order the HUNE, a CLEC must have a POTS splitter installed in the central office that serves the end-user of the loop. In addition, the CLEC must provide the end-user with, and is responsible for the installation of, a splitter, filter(s) and/or other equipment necessary for the end-user to receive separate voice and data services across the loop.

3. On or before June 6, 2000, ILEC will begin accepting orders for the HUNE on lines served out of every central office where CLEC has a POTS splitter installed.

4.

5. Prior to July 31, 2000, the CLECs will not request conditioning of shared lines to remove load coils, bridged taps or electronics. If ILEC begins conditioning lines for its xDSL services, CLECs will have the same option. By July 31, 2000, unless another date is agreed to by ILEC and CLEC in writing, the CLEC will be able to request conditioning of a shared line. ILEC will perform requested conditioning, including de-loading and removal of excess bridged taps, unless ILEC demonstrates in advance that conditioning that shared line will significantly degrade the end-user's analog voice service.

6. The CLECs initially will use ILEC's existing pre-qualification functionality and order processes to pre-qualify lines and order the HUNE. The CLECs will determine, in their sole discretion and at their risk, whether to order the HUNE across any specific loop. ILEC and the CLECs will continue to work together to modify these functionalities and processes to better support line sharing.

7. ILEC will initially provision the HUNE within the current standard unbundled loop provisioning interval at least 90% of the time. The Parties acknowledge that this interval may be subject to improvement based on systems mechanization and/or relevant state or federal regulatory orders.

POTS SPLITTER COLLOCATION AND OPERATION OF LINE SHARING EQUIPMENT

8. ILEC will provide CLEC with access to the shared line in one of the following ways, at the discretion of CLEC:

   (a) CLEC may place POTS splitters in ILEC central offices via Common Area Splitter Collocation. In this scenario, CLEC will have the option to either purchase the POTS splitter of its choosing or to have ILEC purchase the POTS splitter on the CLEC's behalf subject to full reimbursement. The CLEC will lease the POTS splitter to ILEC at no cost. Subject to agreed to or ordered pricing, ILEC will install and maintain the POTS splitter in the central office. ILEC will install the POTS splitter in one of three locations in the central office: (i) in a relay rack as close to the CLEC DSO termination points as possible; (ii) where an intermediate frame is used, on that frame; or (iii) where options (i) or (ii) are not available, or in central offices with network access line counts of less than 10,000, on the main distribution frame or in some other appropriate location, which may include an existing ILEC relay rack or bay.

(b)

(c) CLEC may, at its option, place the POTS splitters in its own collocation area. ILEC will reclassify TIE cables, re-stencil framing, and perform any related work required to provision line sharing.Under either option (a) or (b), the POTS splitter will be appropriately hard wired or pre-wired so that ILEC is required to inventory no more than two points of termination.

9. In the event CLEC, or ILEC acting as purchasing agent for CLEC, is unable to procure line sharing equipment (i.e., POTS splitters, cabling, etc.) for Common Area Splitter Collocation in a timely manner, ILEC will proceed with the line sharing deployment schedules set forth in paragraphs 12 and 13 below and install the delayed equipment once the deployment for the subject state is completed. If the delayed equipment still is not available once the deployment for the subject state is completed, ILEC and CLEC will work together to establish an alternate deployment schedule for the affected central offices.

(a) If the ILEC, acting as purchasing agent for the CLEC, is unable to procure line sharing equipment for Common Area Splitter Collocation in a timely manner, then the CLEC may provide ILEC with the missing equipment. However, the deployment schedules set forth in this Agreement may be impacted. If impacted, the deployment will follow the terms and conditions described above.

(b) If ILEC is acting as purchasing agent for more than one CLEC in a central office and is unable to procure line sharing equipment for one or more of the CLECs in a timely manner, then none of the CLECs using the ILEC as purchasing agent will be able to order the HUNE in that central office until the equipment is installed for all such CLECs. This requirement does not apply to a CLEC that, upon being contacted by the ILEC of the equipment shortage, provides its own equipment to ILEC for installation. The CLEC will be notified by the ILEC of the required material on-site date for that central office and will have 2 business days to determine if the CLEC will be able to provide its own equipment.

10. CLEC and ILEC may use any POTS splitter that meets the requirements for central office equipment collocation set by the FCC in its March 31, 1999 order in CC Docket No. 98-147.

11. If a CLEC requests that a central office where it is not currently collocated be provisioned for line sharing, the CLEC will indicate its request on the collocation application for that central office.

12. CLEC will provide ILEC with applications for placement of POTS splitters in central offices based on the order set forth on the confidential Central Office Deployment List agreed to jointly by the CLECs and the ILEC and on the schedule set forth below. If the application date is missed by any CLEC, ILEC will accept the CLEC's late applications and install the POTS splitter within 30 days of the end of the schedule for the state where the central office is located or the normal interval for collocation under the CLEC's interconnection agreement, whichever is later. ILEC and CLEC will work together to resolve any problems with order-related data included on the applications within 5 business days of the CLEC receiving notification of the problems from ILEC. If the Parties are unable to resolve the problems after 5 business days, the application will be treated as a late application as defined above. Any changes received from

13.

the CLEC after 5 business days of the initial application date will also result in the application be treated as a late application.

First 145 Central Offices	March 24, 2000
Next 85 Central Offices	March 29, 2000
Next 65 Central Offices	April 3, 2000
Remaining Central Offices	April 10, 2000

15. Assuming CLEC reuses existing TIE cable capacity, ILEC will complete the TIE cable reclassification necessary to permit a CLEC to complete placement of POTS splitters in its own collocation areas in the central offices identified on the Central Office Deployment List based on the following schedule:

DATE	TOTAL NUMBER OF CUMULATIVE CENTRAL OFFICES
May 15, 2000	40-50
May 29, 2000	130-150
June 6, 2000	All remaining central offices identified on the Central Office Deployment List

Additional TIE cables will be installed in accordance with the standard intervals and processes set forth in the interconnection agreements between ILEC and CLECs at the completion of this deployment schedule or under an installation schedule mutually agreed upon by CLEC and ILEC. In situations where a CLEC places POTS splitters in its collocation areas, CLEC may begin placing orders for the HUNE in the central offices identified on the Central Office Deployment List in accordance with the above schedule.

16. ILEC will complete Common Area Splitter Collocation in the central offices identified on the Central Office Deployment List based on the following schedule:

17.

DATE	TOTAL NUMBER OF CUMULATIVE CENTRAL OFFICES
May 15, 2000	40-50
May 29, 2000	130-150
June 6, 2000	165-180
June 26, 2000	230-260
July 31, 2000	All remaining central offices identified on the Central Office Deployment List

If a CLEC chooses to have POTS splitters placed in central offices via Common Area Splitter Collocation, CLEC may begin placing orders for the HUNE in the central offices identified on the Central Office Deployment List in accordance with the above schedule.

18. To deploy POTS splitters in a central office identified on the Central Office Deployment List, the CLEC must either: (a) have an existing collocation presence in the central office; or (b) have pending applications for collocation in the central office as of March 10, 2000.

19. If ILEC receives an application for new collocation in a central office that does not appear on the Central Office Deployment List, or where the applying CLEC does not meet the requirements of the preceding paragraph, ILEC will treat the application as a standard collocation application under the terms and conditions of the applicable interconnection agreement. CLEC will be able to order the HUNE in such offices beginning on the date the collocation installation is completed or July 31, 2000, whichever is later.

20. ILEC and the CLECs agree to work together to address and, where necessary and possible, find solutions for the following "Line Sharing Implementation Issues": (a) the implementation of an effective phased process to handle CLEC orders for

the HUNE; (b) ILEC's ability to handle the existing and forecasted volume of CLEC orders for the HUNE; (c) ILEC's ability to make central office loop assignments for the existing and forecasted volume of CLEC orders for the

21. HUNE; (d) the ability of ILEC and CLEC to coordinate repairs; (e) the experience and education of the shared line end-user; (f) the CLEC's forecasts of shared line orders; and (g) the process for conditioning loops for line sharing.

22. Beginning on April 1, 2000, the CLECs will provide ILEC with non-binding, good-faith rolling quarterly forecasts for shared line volumes on a state-by-state, central office-by-central office basis. Additionally, CLEC will provide a 1.5 year non-binding, good-faith forecast by quarter to ILEC by June 1, 2000. ILEC will keep CLEC forecasts confidential and will not share such forecasts with any person involved in ILEC retail operations, product planning or marketing.

REPAIR AND MAINTENANCE

23. ILEC will allow the CLECs to access the combined voice and data line at the point where it is cross-connected to the POTS splitter. Under the scenario described in paragraph 7(a) above, the point of demarcation will be at the place where the data loop leaves the POTS splitter on its way to the CLEC's collocated equipment. Under the scenario described in paragraph 7(b) above, the point of demarcation will be where the shared line is cross-connected to the POTS splitter.

24. ILEC will be responsible for repairing voice services provided over the shared line and the physical line between the network interface device at the end-user premise and the point of demarcation in the central office. ILEC also will be responsible for inside wiring in accordance with the terms and conditions of inside wire maintenance agreements, if any, between ILEC and the end-users. CLECs will be responsible for repairing data services provided over the HUNE portion of the shared line. Each Party will be responsible for maintaining its own equipment. The Party that controls the POTS splitter will be responsible for maintaining it.

25. ILEC and CLEC are continuing to develop repair and maintenance procedures and agree to document final agreed-to procedures in a methods and procedures document that will be available on ILEC's web site. In the interim, ILEC and CLEC agree that the following general principles will guide the repair and maintenance process:

    (a) If an end-user complains of a voice problem that may be related to the use of the shared line for data services, CLEC and ILEC will work together and with the end-user to solve the problem to the satisfaction of the end-user. ILEC will not disconnect the data service without the written permission of the CLEC unless the end-user's voice service is so degraded that the end-user cannot originate or receive voice grade calls.

(b)

(c) Each Party is responsible for its own end-user base and will have the responsibility for resolution of any service trouble report(s) from its end-users. ILEC will test for electrical faults (i.e., opens, shorts, and/or foreign voltage) on the shared line in response to trouble tickets initiated by the CLEC.

(d) When trouble has been reported by CLEC, and such trouble is not an electrical fault in ILEC's network, ILEC will charge CLEC any applicable charges approved by the relevant state public utility commission.

(e) When trouble reported by CLEC is not isolated or identified by tests for electrical faults, ILEC may perform additional testing as requested by CLEC on a case-by-case basis. If this additional testing uncovers electrical fault trouble in the portion of the network for which the ILEC is responsible under this Agreement, the CLEC will not be charged for the testing. If the additional testing uncovers a problem in the portion of the network for which the CLEC is responsible under this Agreement, the CLEC will be charged any applicable charges set forth in interconnection agreements between ILEC and CLECs or by the relevant state public utility commissions. Where no such charges exist, CLEC will pay for such testing on a time and materials basis.

26. When the POTS splitter is placed in the central office via Common Area Splitter Collocation, CLEC will order and install additional splitter cards as necessary to increase POTS splitter capacity from the initial installation. CLEC will leave one empty card in every shelf to be used for repair and maintenance until such time as the card must be used to fill the shelf to capacity.

27. When the POTS splitter is located in the CLEC collocation area, CLEC may install test access equipment in its collocation area for the purpose of testing the shared line. This equipment must comply with the safety requirements set forth in any applicable FCC rules. When the POTS splitter is placed in the central office via Common Area Splitter Collocation, CLEC will have the ability to perform intrusive testing at the test access point on a line-by-line basis.

PRICING

28. ILEC and the CLECs agree to the following negotiated, interim prices for shared lines, splitter collocation and other elements noted in the following table:

Category	Element	Interim Price
Shared Line Non-Recurring	Installation option is basic	IA* price for basic

	installation – lift and lay	installation – lift and lay
Shared Line Recurring	HUNE	Paragraph 25
	2 ITP/EICT – Interconnection Tie Pairs or Expanded Interconnection Channel Terminations	IA price
Common Area Splitter Collocation Non-Recurring	Installation	$5,000.00 per shelf
Common Area Splitter Collocation Recurring	Equipment bay – per shelf	$4.85 per shelf
Cost of POTS splitters if provided by ILEC	POTS splitter	Market cost – in addition to the $5,000.00 flat rate
Non-recurring for TIE cable reclassification	TIE cables	Time and material for engineering and labor
Repair and Maintenance	Trouble Isolation and Additional Testing	Paragraph 20 (c) and (d)
Line Conditioning	Load Coil and Excess Bridged Tap Removal	IA price

* The relevant interconnection agreement between ILEC and CLEC.

29. ILEC and CLECs will continue work to arrive at appropriate cost recovery for operational support systems upgrades related to the shared line.

30. CLECs may choose from either of the following options for an interim recurring shared line rate:

(a) A rate of $5.40 per month per shared line; or

(b) A rate of $0 per month per shared line until January 1, 2001. On January 1, 2001, the interim recurring shared line rate will change to $8.25 unless ILEC continues to charge a rate of $0 per month per shared line to one or more CLECs as of that date. In the event ILEC continues to charge a rate of $0 per month per shared line to one or more CLECs as of January 1, 2001, ILEC will continue to charge all CLECs that selected this interim recurring shared line rate option a rate of $0 per month per shared line until such time as it begins to charge all CLECs $8.25 per month per shared line.

CLECs must select one of the foregoing options for an interim recurring shared line rate by May 1, 2000, and must notify ILEC of their selection through their account teams. Once a selection is made, a CLEC cannot change its selection.

31. All interim prices will be subject to true up based on either mutually agreed to permanent pricing or permanent pricing established in a line sharing cost proceeding conducted by state public utility commissions. In the event interim prices are established by state public utility commissions before permanent prices are established, either through arbitration or some other mechanism, the interim prices established in this Agreement will be changed to reflect the interim prices mandated by the state public utility commissions; however, no true up will be performed until mutually agreed to permanent prices are established or permanent prices are established by state public utility commissions.

32. During the 60 day period immediately following the effective date of this Agreement, the Parties agree to negotiate in good faith in an effort to arrive at mutually agreed to permanent pricing for all of the elements listed in paragraph 23 above and operational support system upgrades related to line sharing. If at the conclusion of this 60 day period, the Parties have been unable to mutually agree to permanent pricing for some or all of such elements and/or operational support system upgrades related to line sharing, the Parties agree to ask the state public utility commissions for each of the states listed in the introductory paragraph of this Agreement to initiate a line sharing cost proceeding to establish permanent pricing for all elements, potentially including operational support system upgrades related to line sharing, still in dispute at that time.

OTHER

33. This Agreement constitutes the entire agreement between the Parties and supersedes all prior oral or written agreements, representations, statements, negotiations, understandings, proposals, and undertakings with respect to the subject matter hereof.

34. ILEC and CLEC enter into this Agreement without waiving current or future relevant legal rights and without prejudicing any position ILEC or CLEC may take on relevant issues before state or federal regulatory or legislative bodies or courts of competent jurisdiction. This clause specifically contemplates but is not limited to: (a) the positions ILEC or CLEC may take in any cost docket related to the terms and conditions of line sharing; and (b) the positions that ILEC or CLEC might take before the FCC or any state public utility commission related to the terms and conditions under which ILEC must provide CLEC with access to the HUNE. The provisions in this Agreement are based, in large part, on the existing state of applicable law, rules, and regulations ("Existing Rules"). Among the Existing Rules are certain FCC orders, including the FCC's Third Report and Order in CC Docket No. 98-147 and Fourth Report and Order in CC Docket No. 96-98 released on December 9, 1999, which currently are being challenged. To

the extent the Existing Rules are changed, vacated, dismissed, stayed or modified, the Parties shall amend this Agreement to reflect such change, vacation, dismissal, stay, or modification. Where the Parties fail to agree upon such an amendment, all disputed issues will be resolved in accordance with the dispute resolution provisions of the interconnection agreements between ILEC and CLECs incorporated by reference into this Agreement.

35. In addition to those provisions specifically referenced elsewhere in this Agreement, the provisions in the interconnection agreements between ILEC and CLECs related to the following are incorporated by reference into this Agreement: (a) limitation of liability; (b) indemnification; (c) force majeure; (d) warranties; and (e) dispute resolution. These provisions are incorporated on a state-by-state, CLEC-by-CLEC basis.

36. This Agreement is the joint work product of the Parties, has been negotiated by the Parties and shall be interpreted fairly in accordance with its terms and conditions. In the event of any ambiguities, no inferences shall be drawn against any Party.

37. This Agreement only may be amende in writing executed by all Parties to be bound by the amendment.

38. During the term of this Agreement, if ILEC either (a) enters into an agreement with any Party that modifies the rates, terms, and conditions of this Agreement as applied to that Party, or (b) enters into any other agreement for line sharing with any party containing rates, terms, and conditions different from those in this Agreement, ILEC will make such modified or different rates, terms, and conditions available to any interested Party. To the extent the modified or different rates, terms, and conditions are provided by ILEC only in certain locations or pursuant to some other limitation, then the modified or different rates, terms, and conditions only will be made available to interested Parties in those locations or subject to those same limitations. Unless otherwise agreed to by the Parties, this paragraph will not be incorporated into any interconnection agreement amendments entered into between ILEC and CLECs pursuant to paragraph 36 below.

39. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, but all of which shall together constitute but one and the same document. This Agreement may be executed where indicated below either by an original signature of a duly authorized representative of each Party or by a facsimile of such a signature.

40. ILEC and CLECs acknowledge the need to execute amendments to their interconnection agreements by June 6, 2000, to govern line sharing. The Parties further acknowledge that the rates, terms, and conditions of this Agreement will form the basis for the negotiation of the amendment. This Agreement will terminate upon execution of such amendments and will be replaced by the amendments. ILEC and CLEC further agree that any applicable window for petitioning a state public utility commission for arbitration of an interconnection agreement amendment for line sharing that would expire before June 6, 2000 is extended to June 16, 2000.

41. The Parties will work together to schedule a conference call with the state public utility commissions for each state listed in the introductory paragraph to this agreement to explain this Agreement and answer any questions related to the Agreement. The Parties agree to work together to schedule and provide notice of the call in the most efficient and expeditious manner possible. The Parties further agree to respond to any questions or information requests from state public utility commissions in a joint manner and, in so doing, take all reasonable steps to preserve the confidentiality of the Central Office Deployment List.

42. The Parties will work together in good faith to address any problems that may arise in the execution of any part of this Agreement.

43. Any CLEC that is not a party to this Agreement may opt into this Agreement at any time prior to its expiration. CLECs must notify ILEC of which of the two options for interim shared line rates outlined in paragraph 25 above it selects at the time it opts into this Agreement or by May 1, 2000, whichever is later.

U S WEST, Inc.	**@Link Networks, Inc.**
John A. Kelley	Tim O'Neill
President – Wholesale Markets	Chief Network Officer
Date	Date

Arrival Communications, Inc.	**BridgeBand Communications, Inc.**
Kevin Timpane	Jon M. Hesse
Vice President – Policy and Carrier Management	Chief Operating Officer and In-House Counsel
Date	Date

CDS Networks, Inc.	**Contact Communications**
Cleve Tooker	Arlen Taggart
President	Vice President
Date	Date

DIECA Communications, Inc.	**Jato Communications Corp.**
Timothy Laehy	Patrick M. Greene
Chief Financial Officer	Vice President – Carrier Relations

Date	Date

Montana Wireless, Inc.	**MULTIBAND Communications, Inc.**
Joan Mandeville	Tim Dodge
Vice President – Administration	Executive Vice President
Date	Date

New Edge Network, Inc.	**NorthPoint Communications, Inc.**
Robert Y. McMillin	Steve Gorosh
Director – Interconnection	Vice President and General Counsel
Date	Date

RHYTHMS LINKS, INC.	**Western Telephone Integrated Communications, Inc.**
Eric Geis	Cleve Tooker
Senior Vice President of Regulatory Affairs and Deployment	President
Date	Date

Memo to the ROC/TAG and State Regulators of CLEC Line Sharing Agreement

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To: "ROC TAG Members (E-mail)" <roc-tag@psclist.state.mt.us>, "'Bruce.smith@dora.state.co.us'" <Bruce.smith@dora.state.co.us>, "'Jcusick@puc.state.id.us'" <Jcusick@puc.state.id.us>, "'Rvawter@max.state.ia.us'" <Rvawter@max.state.ia.us>, "'Burl@puc.state.mn.us'" <Burl@puc.state.mn.us>, "'Mlee@state.mt.us'" <Mlee@state.mt.us>, "'Rlogsdon@navix.net'" <Rlogsdon@navix.net>, "'Jack.hiatt@state.nm.us'" <Jack.hiatt@state.nm.us>, "'Ijs@oracle.psc.state.nd.us'" <Ijs@oracle.psc.state.nd.us>, "'Phil.Nyegaard@state.or.us'" <Phil.Nyegaard@state.or.us>, "'Bill.bullard@state.sd.us'" <Bill.bullard@state.sd.us>, "'Jharvey@br.state.ut.us'" <Jharvey@br.state.ut.us>, "'Blackmon@wutc.wa.gov'" <Blackmon@wutc.wa.gov>, "'Mkorbe@state.wy.us'" <Mkorbe@state.wy.us>
cc: "'Mjarnol@uswest.com'" <Mjarnol@uswest.com>, "'Prmcdan@uswest.com'" <Prmcdan@uswest.com>, "'Dlziegl@uswest.com'" <Dlziegl@uswest.com>, "'Jwoznia@uswest.com'" <Jwoznia@uswest.com>, "'Maphill@uswest.com'" <Maphill@uswest.com>, "'Iwilken@uswest.com'" <Iwilken@uswest.com>, "'Jshanson@uswest.com'" <Jshanson@uswest.com>, "'Jhayhur@uswest.com'" <Jhayhur@uswest.com>, "'Rlanphi@uswest.com'" <Rlanphi@uswest.com>, "'Ntaylor@uswest.com'" <Ntaylor@uswest.com>, "'Smacint@uswest.com'" <Smacint@uswest.com>, "'Dmason@uswest.com'" <Dmason@uswest.com>, "'Dlwarne@uswest.com'" <Dlwarne@uswest.com>, "'Jlehner@uswest.com'" <Jlehner@uswest.com>, "'Lscholl@uswest.com'" <Lscholl@uswest.com>, "'Msreyno@uswest.com'" <Msreyno@uswest.com>, "'Tjensen@uswest.com'" <Tjensen@uswest.com>, "'Mmcnult@uswest.com'" <Mmcnult@uswest.com>, "Brian Ashby (E-mail)" <bashby@uswest.com>, "Jerry Shypulski (E-mail)" <gshypul@uswest.com>, "Dennis Pappas (E-mail)" <dpappas@uswest.com>, "Bill Campbell (E-mail)" <wmcampb@uswest.com>, "Arlen Taggart (E-mail)" <arlen@contactcom.net>, ATI <bjradmer@aticomm.com>, "Bill Squires (E-mail)" <squires@initco.net>, "Bob Walker (E-mail)" <rwalker@ameritech.net>, "Brett Flinchum (E-mail)" <bflinchu@covad.com>, Bryant Smith <bryant.smith@mail.sprint.com>, "Chad Warner (E-mail)" <Chad.Warner@WCOM.com>, "Cheryl Dixon (E-mail)" <cdixon@internetcds.com>, "Christine Mailloux (E-mail)" <Cmailloux@northpointcom.com>, "Cleve Tooker (E-mail)" <jct@cdsnet.net>, "Cliff Dinwiddie (E-mail)" <cdinwiddie@northpointcom.com>, "Connie Kirkendall (E-mail)" <connie.kirkendall@link-us.net>, "David Stauder (E-mail)" <David.Stauder@allegiancetelecom.com>, "Doug Hsiao (E-mail)" <dhsiao@rhythms.net>, "Heidi Williams (E-mail)" <Heidi.Williams@allegiancetelecom.com>, "Jacob Naeb (E-mail)" <naeb@tesscom.com>, "Jaye Mathisen (E-mail)" <mrcpu@ntemail.internetcds.com>, "Jill Wiesner (E-mail)" <jwiesner@rhythms.net>, "Jim Hinsdale (E-mail)" <jim@livewirenet.com>, "Jim Walter (E-mail)" <jwalter@702com.net>, "Joan Mandeville (E-mail)" <jmandeville@blackfoot.net>, "Jon Hess (E-mail)" <jon@bridgeband.net>, "Jose Crespo (E-mail)" <jcrespo@mtntel.com>, "Joyce Frost (E-mail)" <joyce.a.frost@mail.sprint.com>, "Karl Nelson (E-mail)" <karl@uspops.com>, Kenneth Selig <selig@tesscom.com>, "Kimber May (E-mail)" <kimber.i.may@mail.sprint.com>, "Lee Coriell (E-mail)" <lcoriell@mtntel.com>, "Lisa K. McNabola (E-mail)" <lisa.mcnabola@multi-band.net>, "Liz Balvin (E-mail)" <Liz.Balvin@WCOM.com>, "Loy Fraser (E-mail)" <fe@initco.net>, "Mary Nelson (E-mail)" <mnelson@newedgenetworks.com>, "Matt Muckelbauer (E-mail)" <matt.muckelbauer@link-us.net>, "Michael D West (E-mail)" <Michael.D.West@mail.sprint.com>, "Michael Jacoby (E-mail)"

<Michael.Jacoby@converg.com>, "Michael Olsen (E-mail)" <MOlsen@northpoint.net>, "Mike Hazel (E-mail)" <mhazel@mtntel.com>, Mike Kehrer <mike.kehrer@cox.com>, "Mike Mulkey (E-mail)" <mmulkey@arrival.com>, "Mike Zulevic (E-mail)" <mzulevic@covad.com>, "Natalie Baker (E-mail)" <nataliebaker@att.com>, "Ned Feldman (E-mail)" <nfeldman@nas-corp.com>, "Patrick M. Green (E-mail)" <pgreen@jatocom.com>, "Rob McMillin (E-mail)" <rmcmillin@newedgenetworks.com>, "Robert_Hayden (E-mail)" <Robert_Hayden@gstworld.net>, "Scott Sparks (E-mail)" <Scott.Sparks@WCOM.com>, "Sharon Thomas (E-mail)" <sthomas@atgi.net>, "Stephen Moreno (E-mail)" <smoreno@covad.com>, "Tim Dodge (E-mail)" <tim@multi-band.net>, "Tim McKeen (E-mail)" <tim.mckeen@link-us.net>, "Tom Priday (E-mail)" <Tom.Priday@WCOM.com>

Subject: CLEC Interim Line Sharing Agreement with U S WEST

All --

Attached is an electronic copy of the region-wide Interim Line Sharing Agreement negotiated between U S WEST and a large group of CLECs. This agreement will govern the initial deployment of line sharing for the signatories in all states in U S WEST's region except Minnesota, where line sharing is already governed by an existing agreement.

The parties completed the agreement on Thursday of last week and have been reviewing and signing it since. At this point, at least 13 CLECs have indicated that they will sign this agreement. A final list of the CLECs signing the agreement will be circulated after all the signatures have been collected. Even after the original signatures are collected, any other CLEC may opt into the agreement at a later date.

We have scheduled a conference call for commission personnel to answer any questions you might have. We anticipate beginning the call with a short review of the agreement's high points. The conference call will be held on Friday, April 28 beginning at 8:30 a.m. PDT, 9:30 a.m. MDT, 10:30 a.m. CDT, and 11:30 a.m. EDT. The call in number is 1-800-838-2591. There is no pass code required.

The CLECs and U S WEST look forward to speaking with you on Friday.

Clay Deanhardt	Brian Ashby
Senior Counsel	Senior Attorney
Covad Communications Company	U S WEST, Inc.
(408) 987-1109	(303) 672-2768
(408) 981-7832 (mobile)	(303) 257-5374 (mobile)
(408) 987 (fax)	(303) 295-6973 (fax)

<<Final USW interim LS agreement 4-20-001.doc>>

- Final USW interim LS agreement 4-20-001.doc

U S WEST Communications, Inc.
301 West 65th Street, #100
Richfield, MN 55423
Telephone (612) 798-2419
Facsimile (612) 798-2451
E-mail gshypul@uswest.com

Gerald S. Shypulski
Director – Linesharing Deployment

DATE

Via Airborne Express

[CLEC]

Dear **[CLEC]**:

On April 24, 2000, U S WEST entered into an Interim Line Sharing Agreement ("Agreement") with @Link Networks, Inc., Arrival Communications, Inc., BridgeBand Communications, Inc., CDS Networks, Inc., Contact Communications, DIECA Communications, Inc. d/b/a Covad Communications Company, Jato Communications Corp. on behalf of its operating subsidiaries Jato Operating Corp. and Jato Operating Two Corp., Montana Wireless, Inc., MULTIBAND Communications, Inc., New Edge Network, Inc. d/b/a New Edge Networks, NorthPoint Communications, Inc., RHYTHMS LINKS, INC., and Western Telephone Integrated Communications, Inc. to govern the initial provisioning of line sharing in the States of Arizona, Colorado, Idaho, Iowa, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming. A copy of the Agreement is attached to this letter.

U S WEST will make line sharing available in the states listed above on an initial basis in accordance with the rates, terms, conditions, and timeframes set forth in the Agreement. Under the Agreement, any competitive local exchange carrier ("CLEC") operating in the subject states pursuant to a valid interconnection agreement with U S WEST may execute and opt into the Agreement at any time prior to its expiration. Any CLEC that opts into the Agreement will become a party to the Agreement and will bound by all of the rates, terms, and conditions set forth therein. No aspect of the Agreement will be subject to negotiation.

Furthermore, please be advised that, per the Agreement, the Agreement will be replaced by state-specific, CLEC-specific interconnection agreement amendments on

or about June 6, 2000, and the Agreement will terminate once the amendments have been completed. U S WEST will have a template amendment available for review sometime

in the next few weeks. The template amendment will incorporate all material rates, terms, and conditions contained in the Agreement.

This letter is being sent to the designated representatives of all CLECs currently operating in the subject states pursuant to valid interconnection agreements with U S WEST. As the designated representative for **[CLEC]**, should **[CLEC]** decide to opt into the Agreement, please countersign this letter and return it to Kris Macneal, Contract Administrator, U S WEST, Contract Development & Services, 7800 East Orchard Road, Suite 250, Englewood, CO 80202.
I look forward to hearing from you should **[CLEC]** decide to opt into the Agreement. If you have any questions, please contact me.

Sincerely,

Gerald S. Shypulski

Attachment

[CLEC] requests to opt into the Interim Line Sharing Agreement under the terms, conditions and rates stated therein.

_____ _____
Signature Date

_____
Name Printed/Typed

LIST OF CO-PROVIDERS RE INTERIM LINE SHARING AGREEMENT

01 Communications of Washington, LLC	3 Rivers Fiber Optic, Inc.
Advanced Communications Group (Firstel)	Advanced Telcom Group, Inc.
Aliant Midwest, Inc.	All West
Allegiance Telecom	ALLTEL Communications
Alpha-Beta CLEC, Inc.	Alpine Network Services, Inc.
Amcom LLC	ATTI
AT&T	Avera Communications
Avista Communications	Avista Fiber, Inc.
Black Hills Fibercom	BlueStar Networks
Broadband Solutions	Brooks Fiber
BTC	Business Service by Cellular One
Cable Plus Company	Cable USA
CapRock Telecommunications	Connect
Centel Communications	Clark Electronics
CommChoice	Compass Telecommunications
Computer Business Sciences	Computers 5 dba LocalTel
Consolidated Communications Networks	Convergent
Cox Telcom	CRJ Communications
Crystal Communications	CTC Telecom
Dakota Telecom	DialTek
Digital Communications	Digital Express Communications
DPI – Teleconnect	DSLnet Communications
e*spire	ECI Communications
Eclipse Communications	Electric Lightwave
Elite Communications	Ernest Communications
FairPoint Communications	Farmers Mutual Telephone Company
FiberComm	Firstel
Firstlink	Firstworld
Focal Communications	Fox Communications
FRAMCO	Fretel
Frontier Local Services	Frontier Telemanagement
Gold Tel	Goldfield Access Network
Great West Services	GST
Harmony	Healthcare Liability Management Corp.
High Performance	HighSpeed
Hood Canal	ICG Communications
ICG Telecom Group	IdeaOne Telecom
Independent Networks	InfoTel Communications
Integra Telecom	Intellical
Intermedia	International Telcom
InTTec	Ionex
JS Telephony & Wireless Services	King's Deer
KMC Telecom	Laurens Municipal
Level 3	Live Wire Networks
LTDS	Marathon

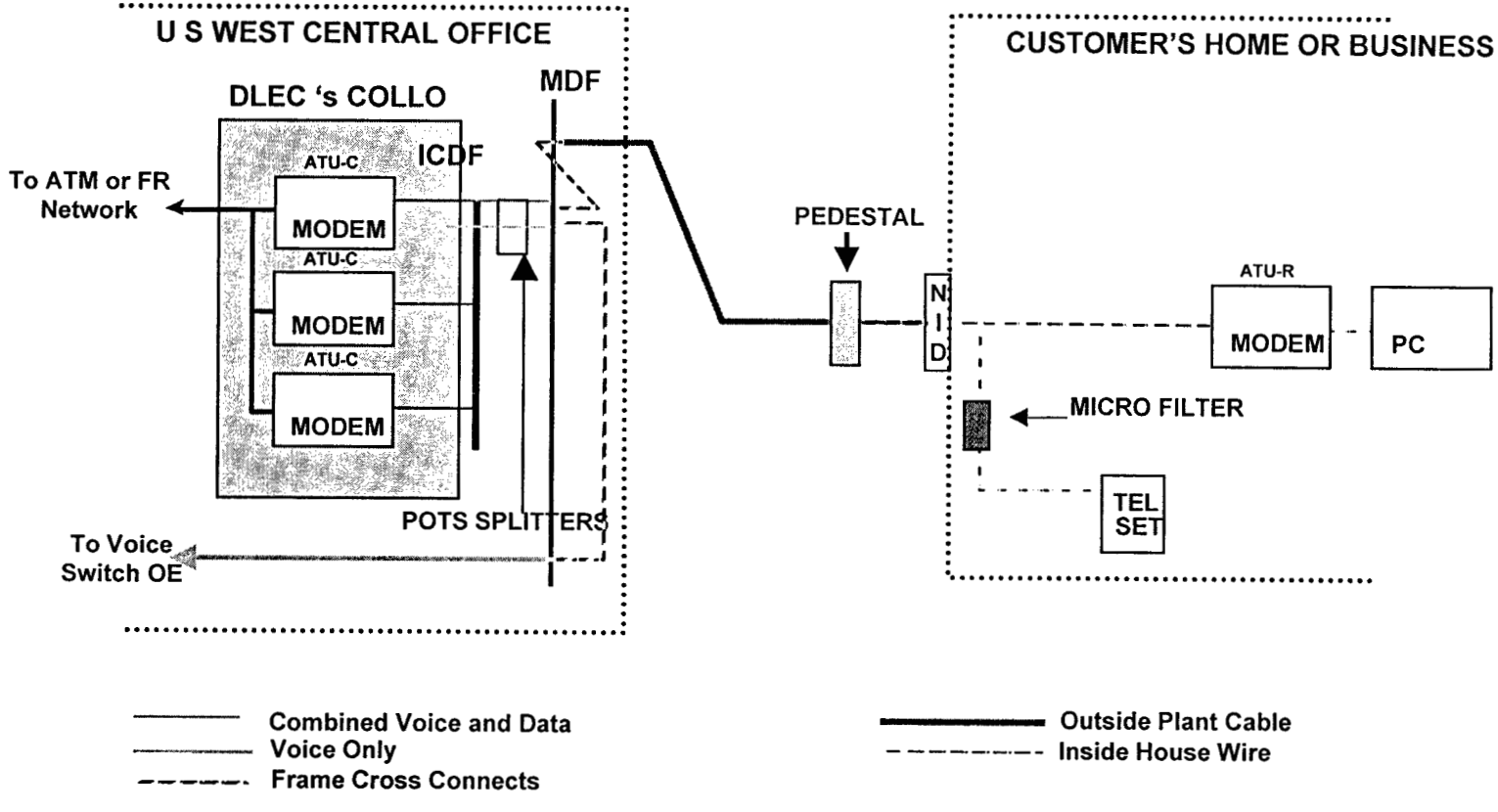
MCI	McLeod

LIST OF CO-PROVIDERS RE INTERIM LINE SHARING AGREEMENT

Metro Communications	Metromedia
MFS	Midco
Mid-Rivers	Millennium Digital Media Systems
Montana TEL-NET	Mountain Telecommunications
NT&T	Net12
NetFone	Net-tel Corp.
Network Access	Nexlink
North County	Northern Valley
Northwest Comm Network	Northwest Telephone
OGC Telecomm	one point
OneWest	Optel
Pac-West	Pathnet
PDGT.COM	Phoenix Fiberlink
Pilgrim Telephone	Plateau Telecommunications
PriorityOne	Prism
Project Mutual Telephone Cooperative	PVT Networks
Rainier Cable	RCN Telecom
Rio Communications	San Isabel
SBC	Seren Innovations
Silver Mountain	Silver Star
Skyland	Spencer Municipal
Sprint	Sunriver Telcom
Supra Telecom	TCG
Teleqwest	Televerse
Teleworld	Teligent
Tel-South Communications	Telstar
TESS, LLC	Timberline Telco
Touch America	U S Link
U S Long Distance	United Communications
Unversal Telecom	Val-Ed Joint Venture
Village Telephone	Voice Networks
Wantel Telecommunications	WinStar
WYOCOM	Yucca
Z-Tel Communications	Z-Tel Technologies

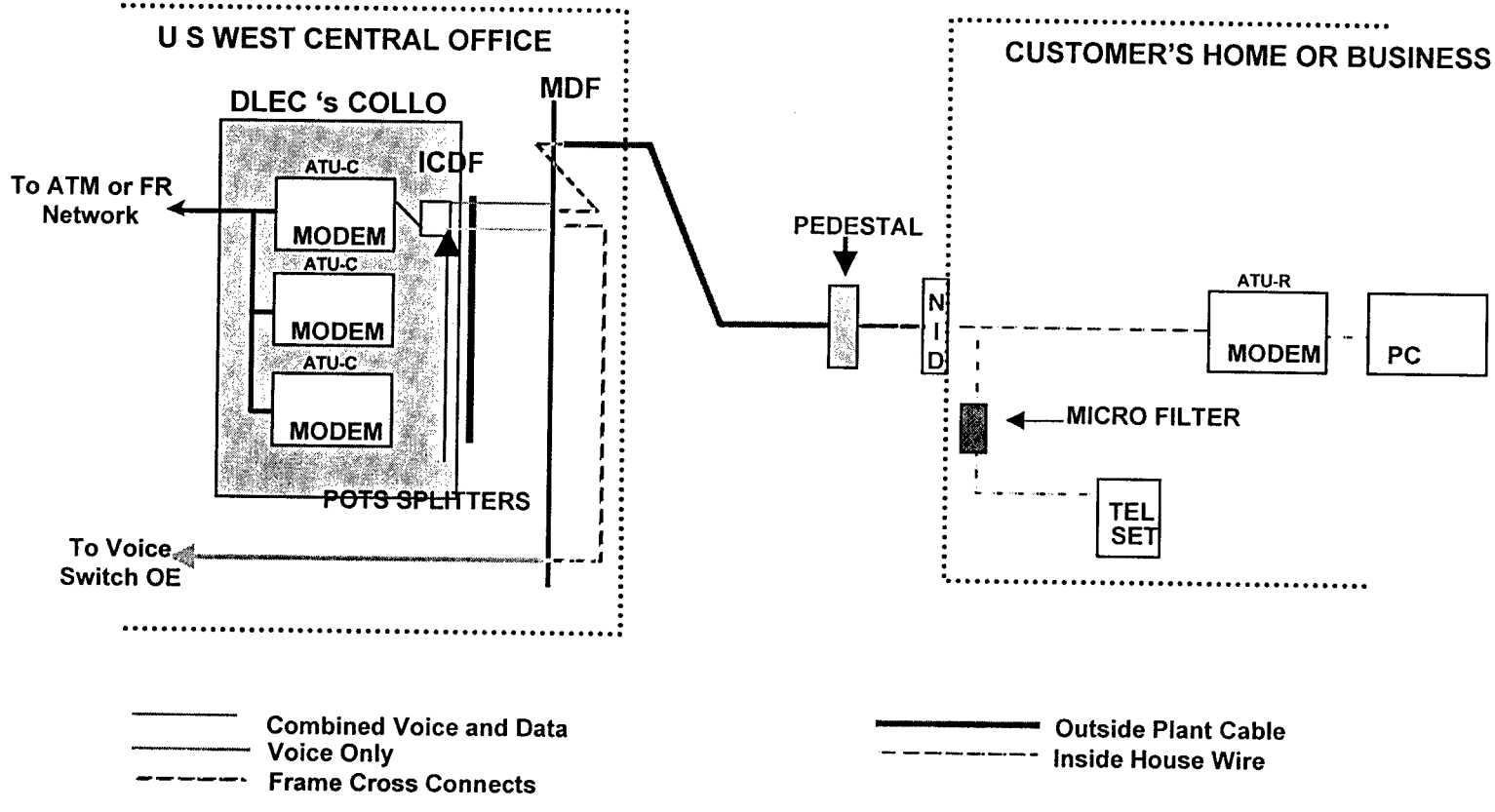
Line Sharing Diagram

Splitter in Common Area

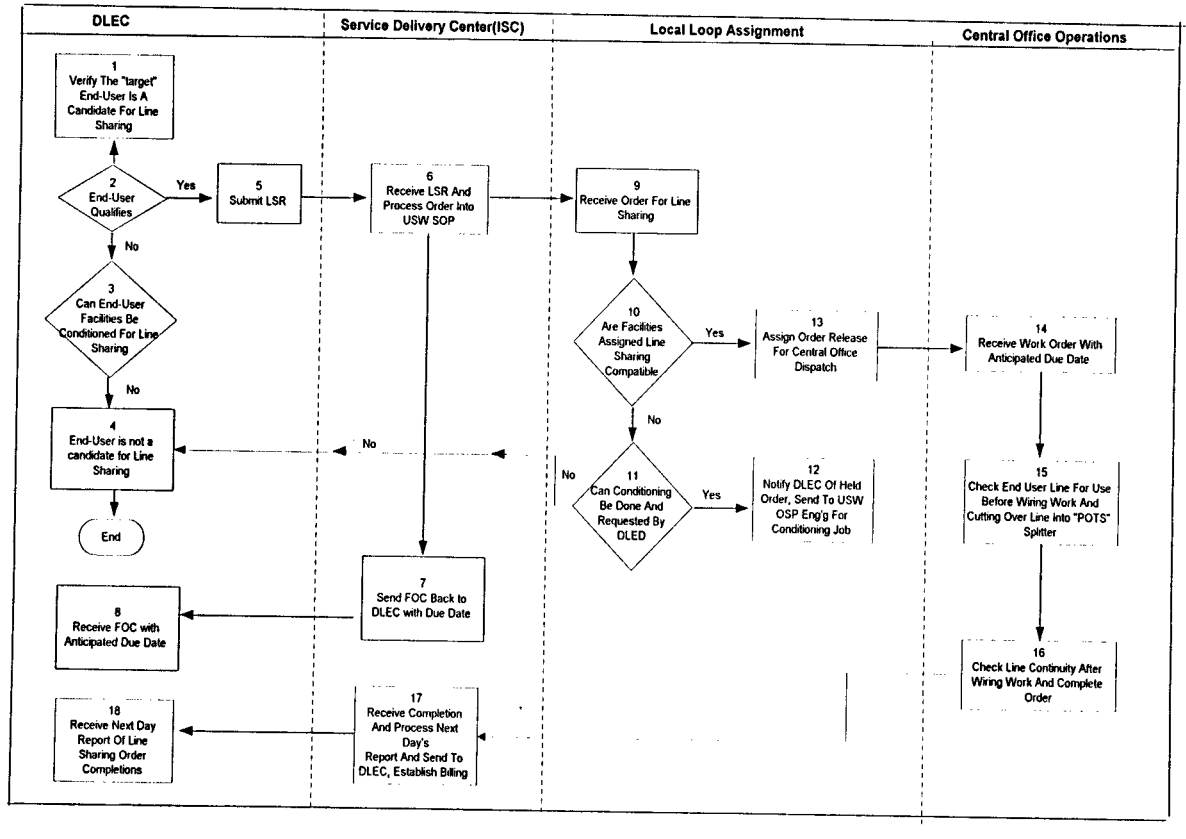


Line Sharing Diagram

Splitter in Collocation Area



Line Sharing/Shared Loop Provisioning Flow



Line Sharing/Shared Loop Provisioning Task List

Assoc. Task #	Process
1	CLEC will verify Line Sharing candidates by accessing Loop Qualification tool available through IMA
2	CLEC determines from the IMA loop Qualification tool whether the end user's local loop is ADSL-qualified.
3	The ability to request conditioning will be available at a later date..
4	If the local loop is not ADSL-qualified the line is not a candidate for line sharing.
5	When the loop is a candidate for line sharing the CLEC will submit an LSR to the ISC via IMA or FAX.
6	The ISC will received and review the LSR for completeness and accuracy before issuing an order into the service order processor. The Service Order Assistant will query ADSL Loop Qual tool upron receipt of the LSR, if the query fails the LSR will be rejected back to the CLEC. Two orders are issued. A "C" order will be issued on the exisstting simple Business/Residential customer line to add new FIDs indicating line sharing. A "N" order will be issued on th eCLEC account the bill the line sharing recurring and non recurring charges.
7	Service Order Assistant sends firm order confirmation to the DLEC with the established due date for line sharing.
8	CLEC receives the firm order confirmation.
9	LFACS receives non designed order for line sharing.
10	Check is made between the equipment information on the order and the line information of the exisiting service. Can not have load coil or bridge tap.
11	If load coil or bridge tap exists and DLEC can not yet request conditioning the line is not a candidate for line sharing. The DLEC is notified to cancel order
12	If DLEC can request conditioning the USW OSP Engineering Group is notified to do conditioning.
13	SWITCH assignments are made on the equipment iformation passed on the service order. The LFACS assignments are reused. Central Office dispatched arranged.
14	FOMS report is generated as wiring tool for the CO personnel. .
15	CO technician cuts line into "POTS" Splitter. There will be some end user downtime around the wiring to the "POTS" splitter. The DLEC must make their customer aware of downtime.
16	MLT is used to test circuit for continuity. The "POTS" splitter will not interfere with testing. No additional xDSl testing on the cable pairs or testing back to the DLEC DSLAM equipment is available. Complete work in WFA/DI and/or WFA/DO.
17	Service Order Assistant notifies DLEC of the completion of the line sharing order. Billing to the CLEC is established in CRIS.
18	DLEC receives completion notification.

Local Service Request (LSR) Specific Entries for

IMA Interim Exception Handling

The following information must be used to submit an LSR through IMA for a Shared Loop request.[1]

- The LSR must be completed by following established requirements for an Unbundled Loop. All the required fields must be filled out.

The following fields have been identified as "exceptions" for the Shared Loop request.

- **LSR FORM**

- PON field must contain the PON number with the last digits must be **SL** (e.g. **U12345601SL, where SL indicates a Shared Line**).

    - DDD field must contain the standard interval for Shared Loop of 5 days

    - NC/NCI/SEC NCI field must contain information for a Two (2) wire Non-Loaded Unbundled Loop that is valid per the CO-PROVIDER interconnection agreement.

      Example of NC/NCI Code Table

TYPE OF LOOP:	NC CODE:	NCI CODE AT CKL1:	NCI CODE AT CKL2:
2-W NL	LX-N	02QC5.OOS	02IS5
2-W NL	LX-N	02QB9.00H	02DU9.00H

    - BAN1 must contain the summary bill number for Shared Loop. The CO-PROVIDER is responsible to load the summary bill number into IMA "Pull-Down" menu tool for Shared Loop.

    - REMARKS field must contain:

        - Begin with the text **"SHARED LOOP REQUEST / "**

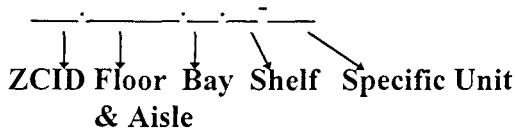
        - Followed by the text **"SPLITTER INFORMATION: "**

[1] The exception handling entries would also be used for LSR (LFOG version 3) submitted via existing Fax Process.

Followed by the POTS Splitter information as provided on APOT with specific unit number. The format of the new POTS Splitter information is different than previous received CFA format.

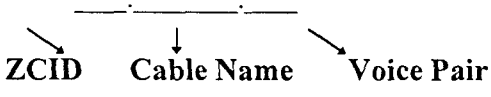
The format for "common splitter" is as follows:

C20.0010122.33.02-001



The format for "inside the cage splitter" is as follows:

C20.ALTO1.301



- Followed by the text **" / END USER TN OF LOOP TO BE SHARED: "**

  Followed by the actual End User telephone number to be shared.

  Example of REMARKS Field
  SHARED LOOP REQUEST / SPLITTER INFORMATION:
  C20.0010122.33.02-005 / END USER TN OF LOOP TO BE SHARED: 612 344-0000

- **Manual Indicator** field **must** be set to Y – Remarks must be processed manually.

NOTE: It is extremely important that the remarks field is filled out as above **and** that the manual indicator is set to yes. **If the remarks field is blank OR the manual indicator is not set to yes, the order will likely flow through and result in an Unbundled Loop.** Some of the potential ramifications of an input error resulting in an unbundled loop may include:

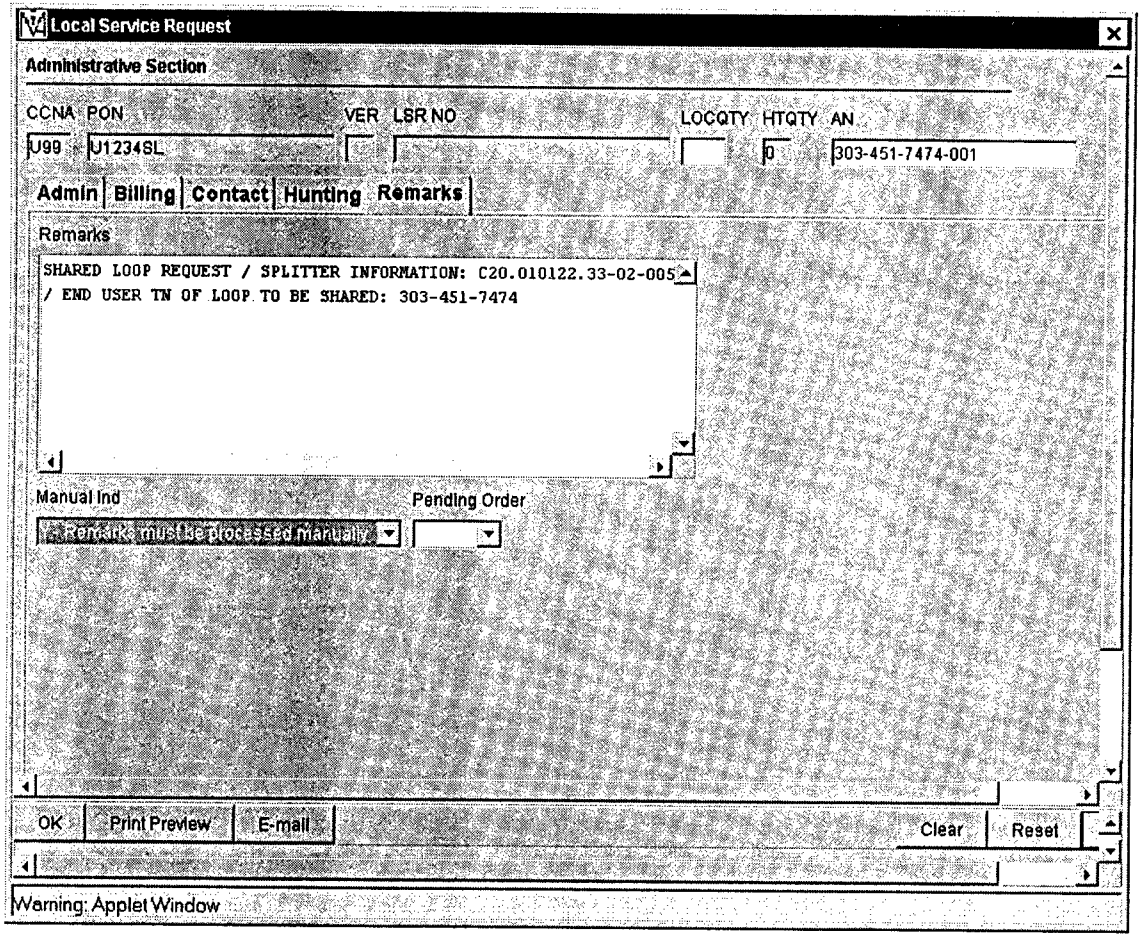
1. The customer losing all existing service on a loop.
2. The customer losing the TN and the TN would be placed in aging. The TN may not be able to be restored to the customer.
3. The customer losing central office facilities and the facilities are available for reuse. The facilities may not be available to restore service.
4. The Co-Provider being charged for provisioning an Unbundled Loop.
5. The Co-Provider being charged for restoring service to the customer.
6. The Co-Provider being liable to the customer for the loss of service, including the loss of 911 service.

- **END USER FORM**
  - No exceptions

- **LOOP SERVICE FORM**
  - CFA field must contain valid CFA information (This must be the associated frame termination information which are available and not dedicated to the POTS Splitter)

    An example of the CFA data is:
    ALT01 VF-2WIRE 34 MPLSMNDT MPLSMNDTHJ1

Below is a screen shot of a correctly filled out REMARKS section of the LSR form: (note in splitter info- .010122. should be .0010122. "7digits")


Local Service Request
Administrative Section
CCNA PON
VER LSR NO
LOCQTY HTQTY AN
U99
U1234SL
0
303-451-7474-001
Admin
Billing
Contact
Hunting
Remarks
Remarks
SHARED LOOP REQUEST / SPLITTER INFORMATION: C20.010122.33-02-005
/ END USER TN OF LOOP TO BE SHARED: 303-451-7474
Manual Ind
Pending Order
Remark must be processed manually
OK
Print Preview
E-mail
Clear
Reset
Warning: Applet Window

LINE SHARING PROVISIONING (NON-DESIGN PROCESS FLOW)

his unbundled element service is installed using a basic "lift and lay" procedure on an existing POTS customer. On or before the service order Due Date, U S West Central Office Personnel "lift" the loop from its current termination and "lays" it on a new termination (POTS Splitter) connecting to the Co-Provider's equipment based on data contained on the FOMS output report.

IN ADDITION:

1) Central Office Personnel will perform a load coil detection test utilizing a 77S or equivalent test set.

2) If a load coil is detected the Central Office Personnel will notify LPC and request a ticket number. Central Office Personnel will not place cross connects until the load coil jeopardy is resolved by the LPC.

3) If the load coil detection test is negative Central Office Personnel will "cut in" the POTS Splitter per the POTS service order using the "lift and lay" procedure.

4) Central Office Personnel will verify that dial tone is leaving at the protector and "SCM" the order in Switch/FOMS.

POTS SPLITTER MISCELLANEOUS EQUIPMENT CODE BREAK-DOWN

OUTSIDE CLEC SPACE	INSIDE CLEC SPACE
Definition of ME (miscellaneous equipment) for splitter assignment in Switch/FOMS splitter is: me Z99.0100192.05.02-002	Definition of ME (miscellaneous equipment) for splitter assignment in Switch/FOMS splitter is: me Z99.alt01.1
Z99 CLEC id 0100192 Floor and relay rack 05 Bay 02 Shelf 002 Port	Z99 CLEC id alt01 cable name 1 cable count
Delimiters of periods will separate elements with the exception of shelf and port id, a dash will separate these last two elements. Z99.0100192.05.02-002	Delimiters of periods will separate elements. Z99.alt01.1
The frame and frame coordinates will be noted as a permanent remark such as: F03 1G 1H	The frame and frame coordinates will be noted as a permanent remark such as: FO3 B10 C11

F03 designates the frame, 1G is the vertical and horizontal frame location of the VOICE connection and 1H is the vertical and horizontal frame location of the VOICE/DATA connection.	F03 designates the frame, B10 is the vertical and horizontal frame location of the voice connection and C11 is the vertical and horizontal location of the voice/data connection. The frame blocks will be labeled VOICE AND VOICE/DATA.

OTE 1: ***It is extremely important that the Office Equipment (OE) is connected to the Voice side of the Splitter and that the facility (cable pair) is connected to the Voice/Data side of the Splitter. If the cross connect terminations are reversed, dial tone will still be detected at the protector but data will not be passed.***

OTE 2: ***When splitter is located outside the CLEC space, USW provisions and maintains the splitter as in virtual collocation.***

LINE SHARING MAINTENANCE (NON-DESIGN PROCESS WILL BE USED TO RESOLVE THE VOICE TROUBLE.)

VOICE SERVICE TROUBLE REPORTED BY END USER AND IS ISOLATED TO USW CENTRAL OFFICE NETWORK.

Use normal trouble processes associated trouble isolation and repair of normal POTS service. Repair trouble and contact customer and close ticket.
The possible voice trouble scenarios are as follows:

- Frame Wiring
- Line Translation
- Complex software
- CLEC POTS Splitter affecting trouble

➢ When the POTS splitter is placed in the central office via Common Area Splitter Collocation, CLEC will order and install additional splitter cards as necessary to increase POTS splitter capacity from the initial installation. CLEC will leave one empty card in every shelf to be used for repair and maintenance until such time as the card must be used to fill the shelf to capacity.

U S WEST will not disconnect the data service provided to an end user over a Shared Loop unless the end user's voice service is so degraded that the end user cannot originate or receive voice grade calls and/or the end user authorizes U S WEST to disconnect the data service. US WEST will notify CLEC whenever this occurs upon voice trouble ticket closure.

Data Service Trouble Reported by CLEC and is Isolated to a USW Central Office Network

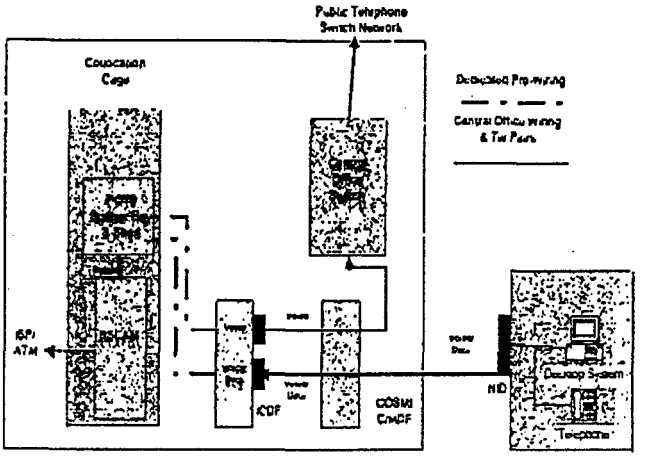
The possible data trouble scenarios are as follows:

- Frame Wiring
- Existence of Load Coil
- CLEC POTS Splitter affecting trouble

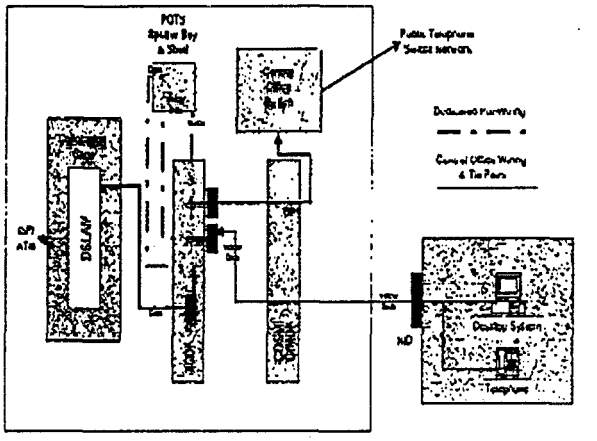
➢ When the POTS splitter is placed in the central office via Common Area Splitter Collocation, CLEC will order and install additional splitter cards as necessary to increase POTS splitter capacity from the initial installation. CLEC will leave one empty card in every shelf to be used for repair and maintenance until such time as the card must be used to fill the shelf to capacity.

➢ May be called upon to do cooperative testing with a USW field Technician if they are unable to resolve facility issues.

Shared Loop (POTS Splitter resides Inside Cage)



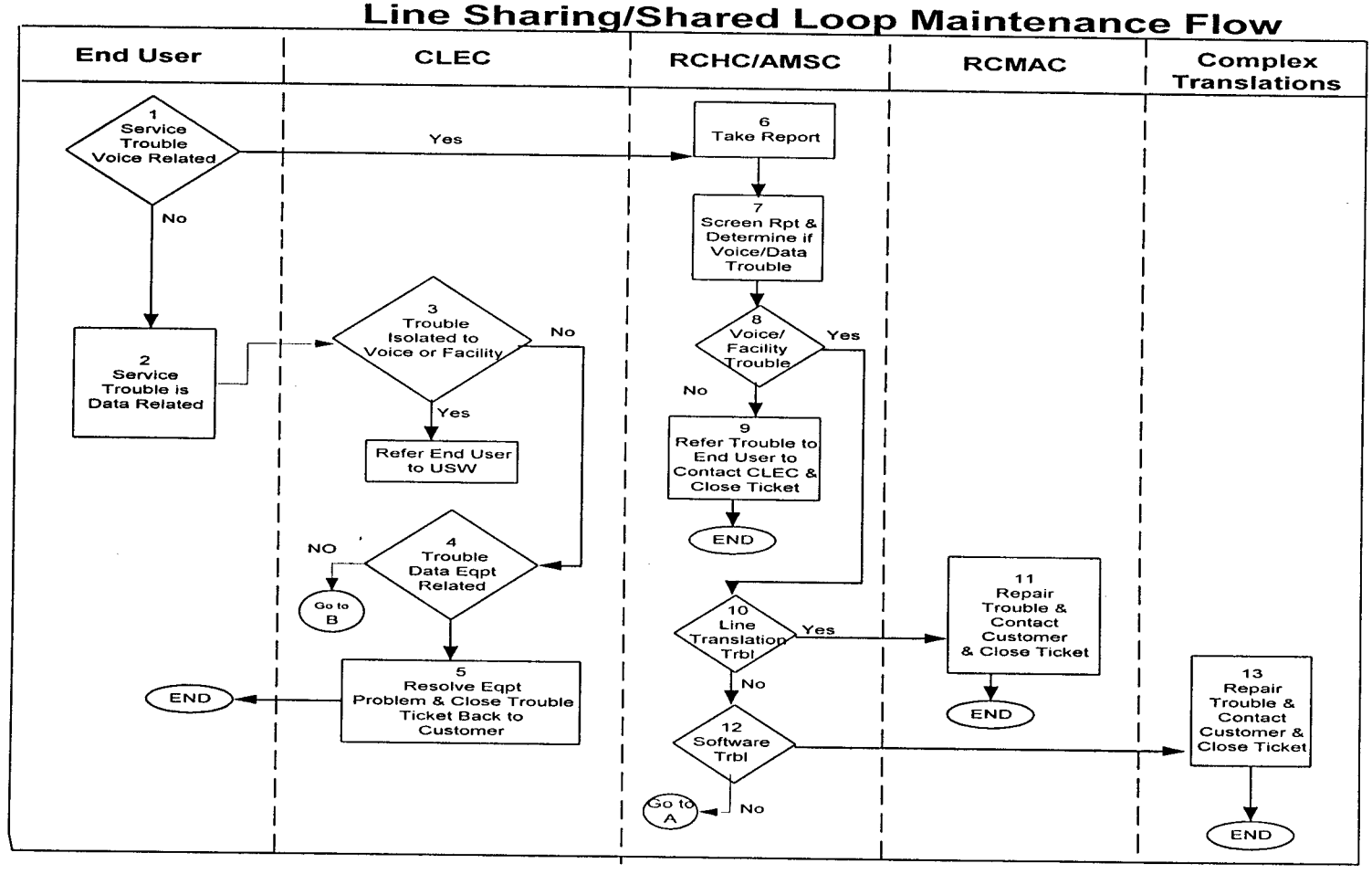
Shared Loop (CLEC-Owned POTS Splitter resides outside Cage)

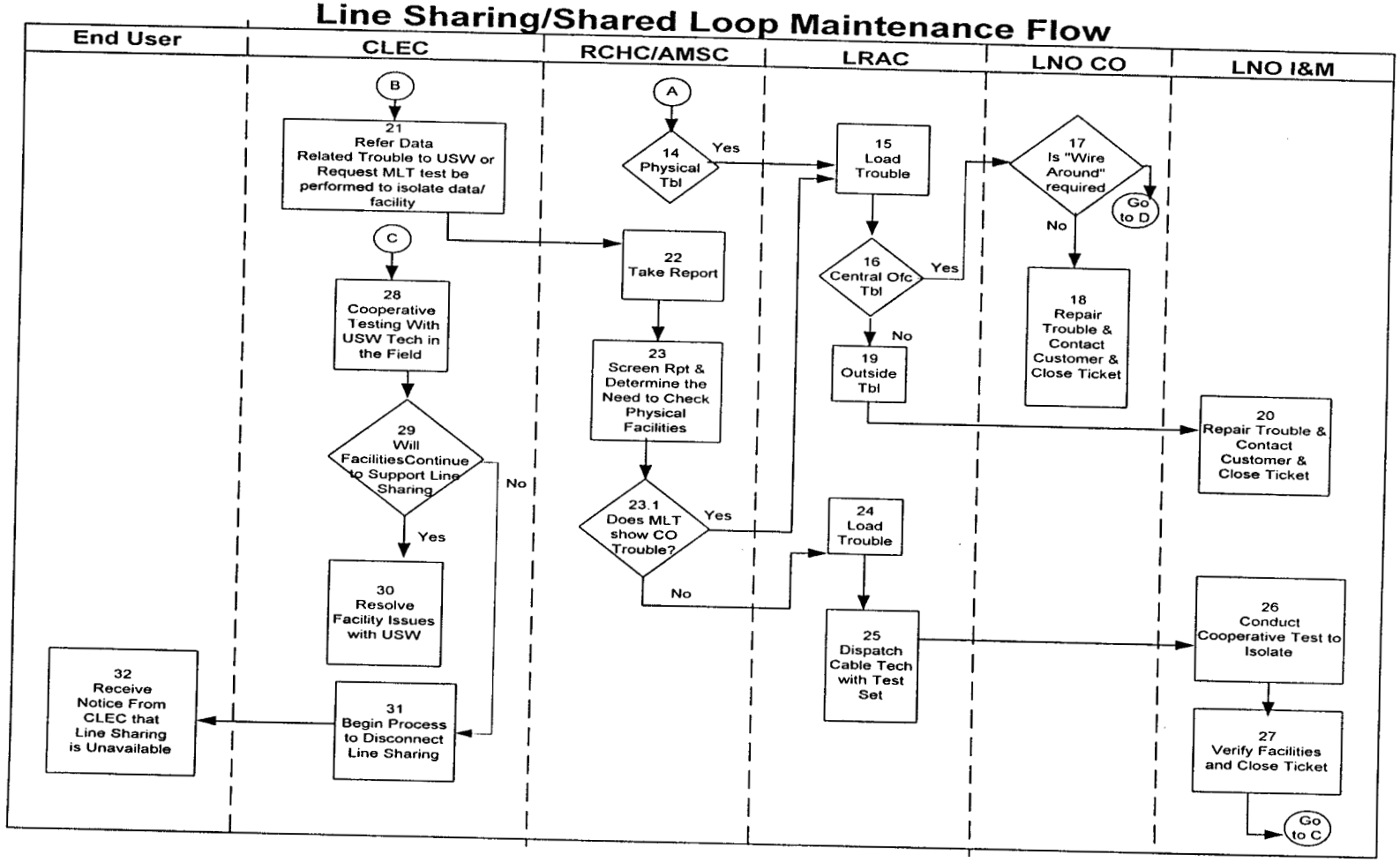


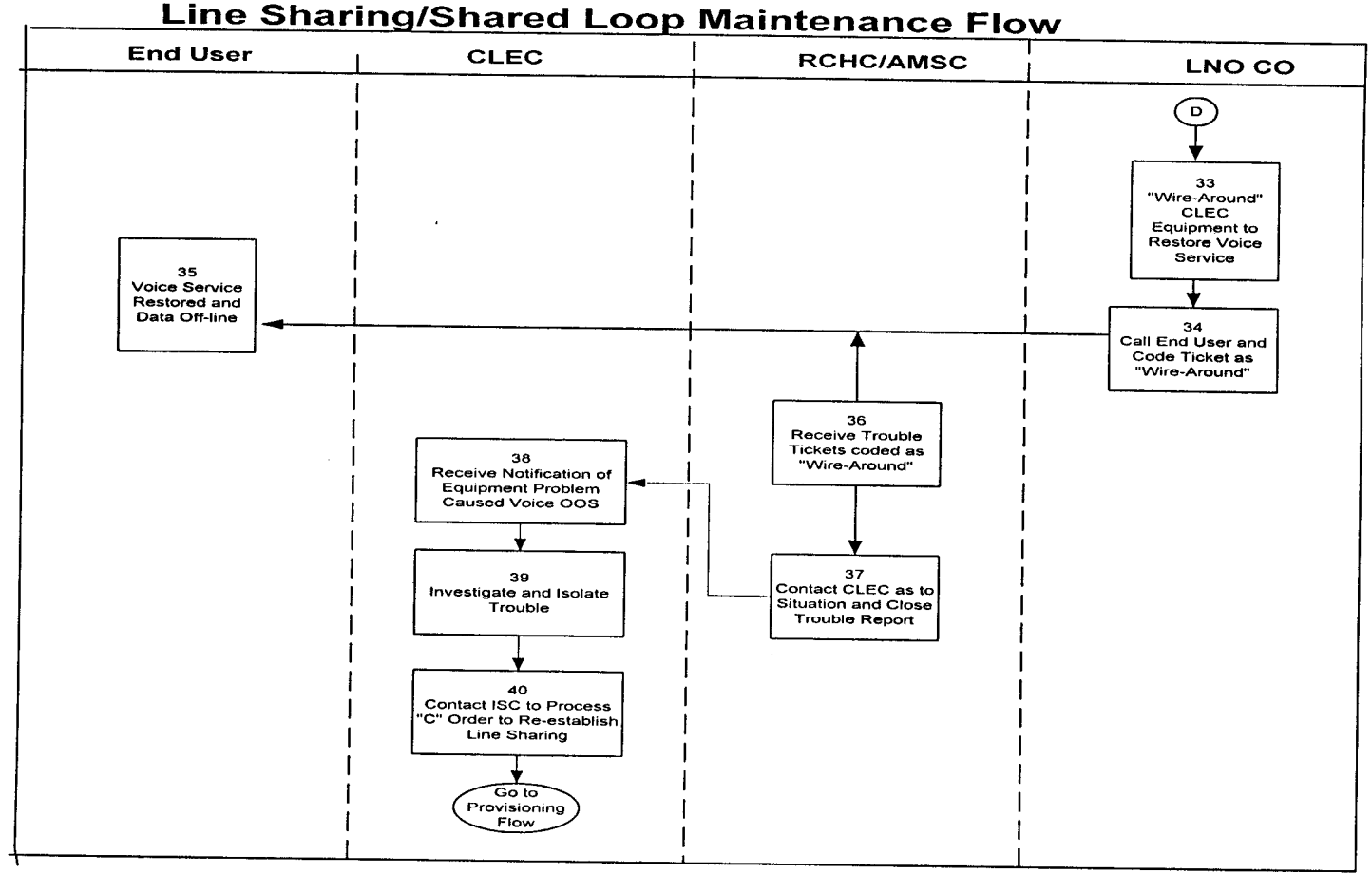
Line Sharing Example[1]

```
FOMS SERVICE ORDER FRAME OUTPUT  -  EASTERN C99999999
6  r            06-19-00 ch  c99999999            646-7474 06-19-00
1 line eqp rcu      2006-01351-021
  line eqp      ifr    r   rnnl      f12-11-07116-3-03
9 tie pair in       alx01-0566          <-------- Tie Assignment to
ICDF Frame
9 tie pair      f03-001             f12-12-02101-3-16
9 misc eqp in       me    z99.0100192.05.02-002(or  z99.alt01.1)  <-
POTS Splitter I D
9 misc eqp      f03-001
  perm rmk f03 k15 j15      <-------- Frame Termination Voice/Data
                                      Frame Termination Voice
  tie pair in       alx01-0600 <------ Tie Assignments to ICDF Frame
  tie pair      f03-001             f12-12-02101-4-25
 cable pr rcu     16-0971         f12-12-04103-3-21          032-1-71
  acid      in       3.acfu.651.646.7474 <------- Circuit I D
4 tel/ckt  rcu      646-7474
7 oe-----tp-----tpdf-----mdf-----tp-----cp-----ins-----tst-----scm-----
7 date  06-15-00 14 36                      06-15 12:51 page  1   last
**fom completed 06-15-00 14:36
```

[1]Note: Handled in Non-Design flow ** NO ASSOCIATED WORD DOCUMENT**


Line Sharing/Shared Loop Maintenance Flow
End User
CLEC
RCHC/AMSC
RCMAC
Complex Translations
1 Service Trouble Voice Related
Yes
No
6 Take Report
7 Screen Rpt & Determine if Voice/Data Trouble
2 Service Trouble is Data Related
3 Trouble Isolated to Voice or Facility
No
Yes
8 Voice/ Facility Trouble
Yes
No
Refer End User to USW
9 Refer Trouble to End User to Contact CLEC & Close Ticket
END
NO
4 Trouble Data Eqpt Related
Go to B
10 Line Translation Trbl
Yes
11 Repair Trouble & Contact Customer & Close Ticket
END
No
5 Resolve Eqpt Problem & Close Trouble Ticket Back to Customer
END
12 Software Trbl
13 Repair Trouble & Contact Customer & Close Ticket
Go to A
No
END


Line Sharing/Shared Loop Maintenance Flow
End User
CLEC
RCHC/AMSC
LRAC
LNO CO
LNO I&M
B
21 Refer Data Related Trouble to USW or Request MLT test be performed to isolate data/ facility
C
28 Cooperative Testing With USW Tech in the Field
29 Will FacilitiesContinue to Support Line Sharing
No
Yes
30 Resolve Facility Issues with USW
31 Begin Process to Disconnect Line Sharing
32 Receive Notice From CLEC that Line Sharing is Unavailable
A
14 Physical Tbl
Yes
22 Take Report
23 Screen Rpt & Determine the Need to Check Physical Facilities
23.1 Does MLT show CO Trouble?
Yes
No
15 Load Trouble
16 Central Ofc Tbl
Yes
No
19 Outside Tbl
24 Load Trouble
25 Dispatch Cable Tech with Test Set
17 Is "Wire Around" required
Go to D
No
18 Repair Trouble & Contact Customer & Close Ticket
20 Repair Trouble & Contact Customer & Close Ticket
26 Conduct Cooperative Test to Isolate
27 Verify Facilities and Close Ticket
Go to C


Line Sharing/Shared Loop Maintenance Flow
End User
CLEC
RCHC/AMSC
LNO CO
D
33 "Wire-Around" CLEC Equipment to Restore Voice Service
34 Call End User and Code Ticket as "Wire-Around"
35 Voice Service Restored and Data Off-line
36 Receive Trouble Tickets coded as "Wire-Around"
37 Contact CLEC as to Situation and Close Trouble Report
38 Receive Notification of Equipment Problem Caused Voice OOS
39 Investigate and Isolate Trouble
40 Contact ISC to Process "C" Order to Re-establish Line Sharing
Go to Provisioning Flow

Line Sharing/Shared Loop Maintenance Task List

Assoc. Task #	Process
1	End user customer experiences voice problem with service and calls U S West.
2	End user customer experiences data problem with service and calls CLEC
3	CLEC determines if trouble is voice or facility problem. If voice trouble CLEC refers end user to U S WEST
4	CLEC determines trouble to be related to the data equipment.
5	CLEC resolves own data equipment trouble with the end user and closes their repair ticket with end user. Go to task 21.
6	The Repair Call Handling Center (RCHC) determines line sharing customer from records and refers either the end user or the CLEC to a special number in the AMSC.
7	The Repair Call Expert (RCE) determines if the trouble is data, voice, or both data and voice.
8	RCE finds trouble is not associated with U S WEST.
9	RCE refers end user customer to their CLEC and closes trouble ticket.
10	RCE determines a line translation trouble related to U S WEST.
11	RCMAC clears line translation trouble, contacts customer and closes trouble ticket.
12	RCE determines trouble is software related.
13	Complex Translations repairs software trouble, contacts customer and closes trouble ticket.
14	RCE determines problem is physical trouble.
15	LRAC schedules and loads work to technician(s).
16	Central office trouble loaded to Central Office Technician (COT) via WFA/DI
17	COT determines if "wire around" required
18	If "wire around" not required COT repairs central office trouble, contacts customer and closes trouble ticket.

19	Outside trouble is loaded to LNO I&M Technician

Line Sharing/Shared Loop Maintenance Task List

Assoc. Task #	Process
20	Outside technician clears trouble, contacts customer and closes ticket
21	CLEC reports data related trouble to U S WEST or requests MLT test be performed to isolate data/facility.
22	RCE takes report
23	RCE screens trouble report and determines need to check physical facilities.
23.1	Determine results of MLT test. If Central Office trouble go to task 15. If not Central Office trouble go to task 24.
24	LRAC loads trouble ticket via WFA/DO to outside technician
25	LRAC dispatches able technician with test set.
26	Outside technician performs cooperative testing to isolate trouble
27	Outside tech verifies facilities are good and closes ticket
28	CLEC performs cooperative testing the U S WEST field technician.
29	CLEC determines whether facilities can continue to support line sharing
30	Facilities can support line sharing. Resolve facility issues with U S WEST.
31	Facilities can no longer support line sharing. CLEC to disconnect line sharing.
32	End user receives notice form CLEC that Line Sharing is unavailable.
33	"Wire Around" [1] CLEC equipment to restore voice service to end user
34	Call end user and code ticket as "wire around"
35	End user's voice service is restored and data is disconnected.
36	RCHC/AMSC receive trouble tickets coded as "wire around"

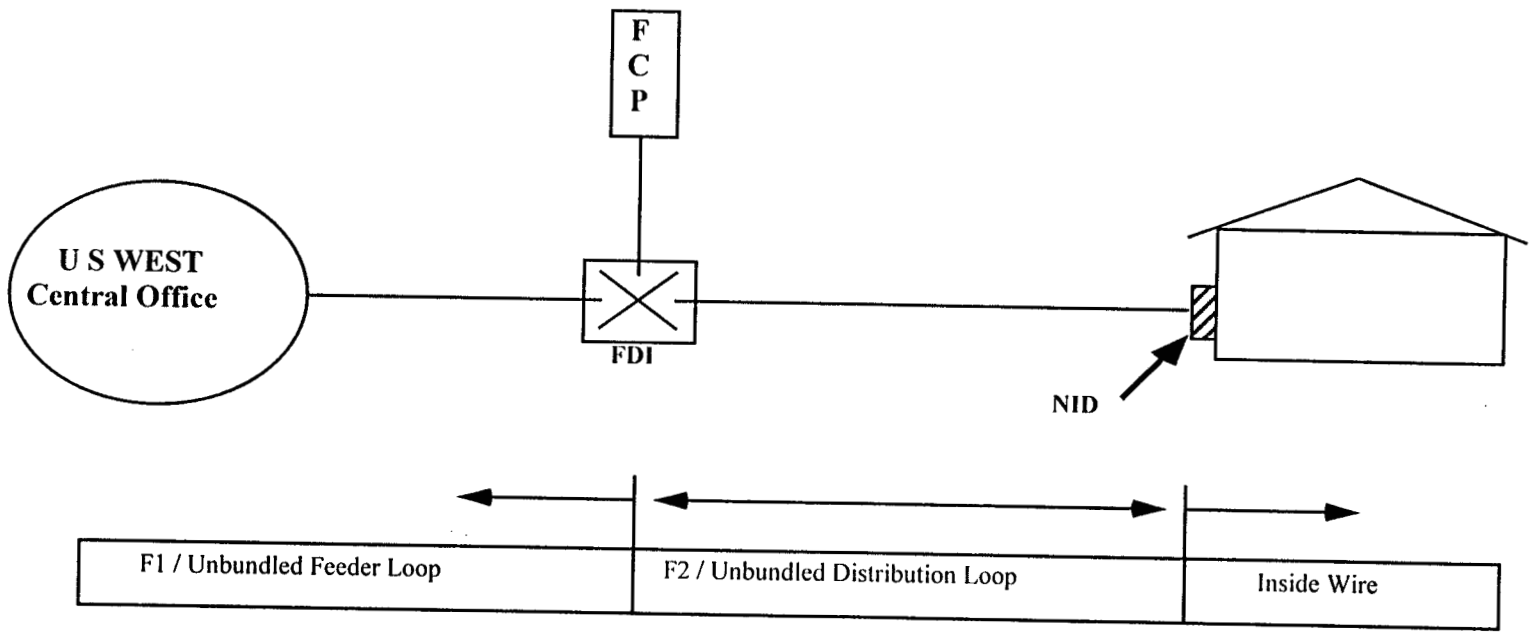
37	Contact CLEC as to situation i.e.,"wire around" and close trouble report.

Line Sharing/Shared Loop Maintenance Task List

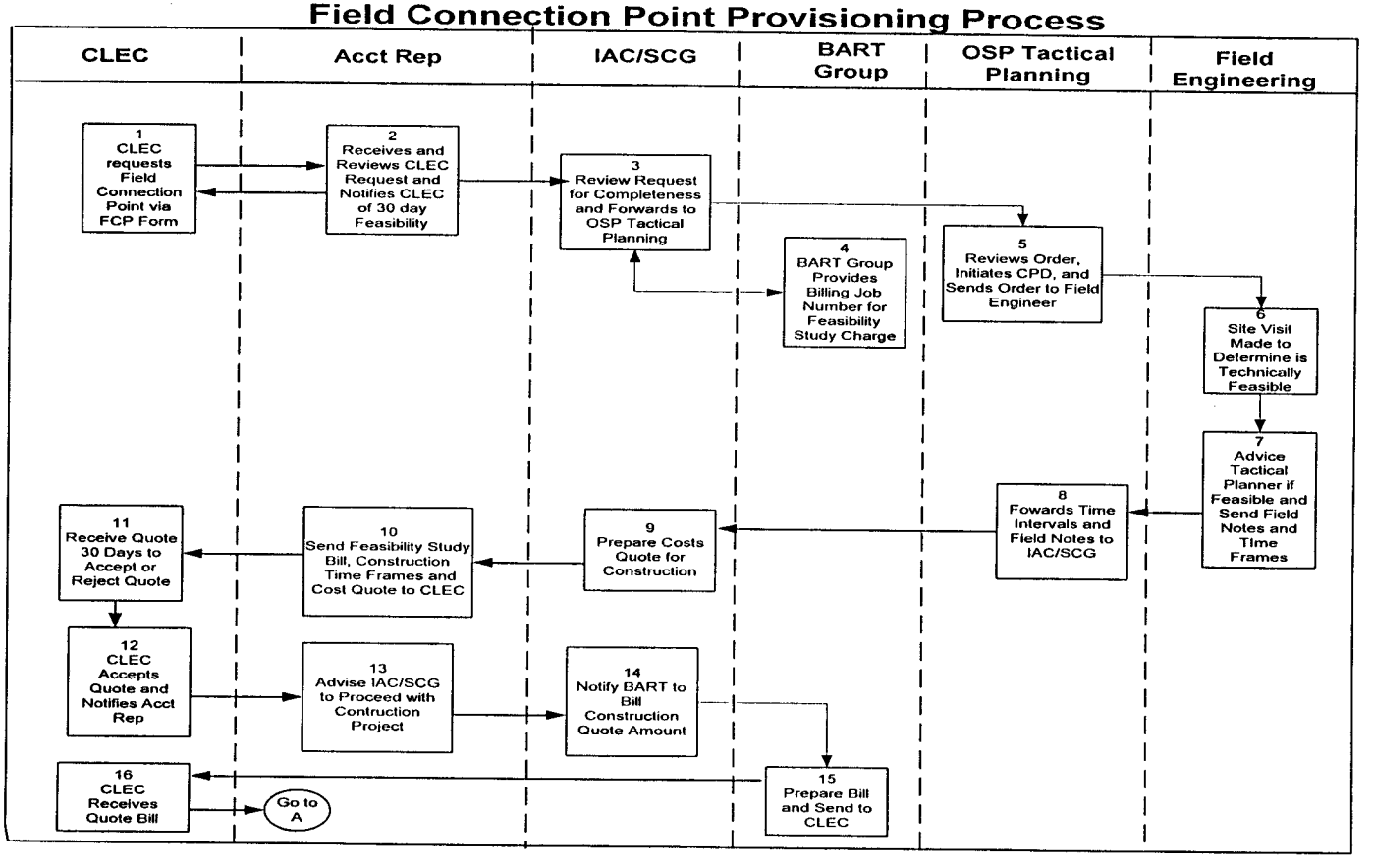
Assoc. Task #	Process
38	CLEC receives notification of data equipment problem.
39	CLEC investigates and isolates data trouble.
40	CLEC contact ISC to process a service order to re-establish line sharing.

Note 1: If an end-user complains of a voice problem that may be related to the use of the shared line for data services, CLEC and ILEC will work together and with the end-user to solve the problem to the satisfaction of the end-user. ILEC will not disconnect the data service without the written permission of the CLEC unless the end-user's voice service is so degraded that the end-user cannot originate or receive voice grade calls. (per 14 State Line Sharing Agreement 4/24/00, Arizona, Colorado, Idaho, Iowa, Montana, Nebraska, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, and Wyoming.)

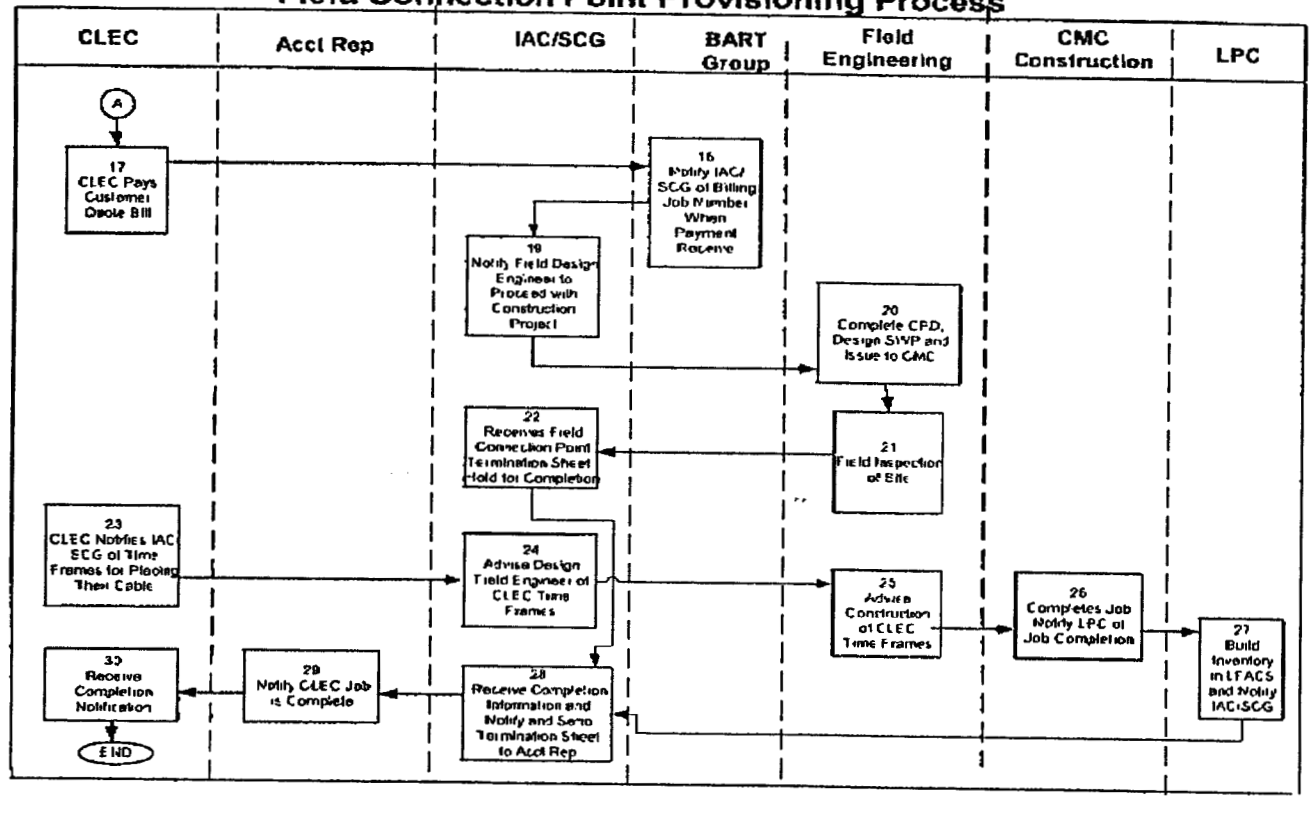
Field Connection Point/Unbundled Feeder and Distribution Sub-Loop Diagram



FDI = Feeder Distribution Interface
FCP = Field Connection Point
NID = Network Interface Device


Field Connection Point Provisioning Process
CLEC
Acct Rep
IAC/SCG
BART Group
OSP Tactical Planning
Field Engineering
1 CLEC requests Field Connection Point via FCP Form
2 Receives and Reviews CLEC Request and Notifies CLEC of 30 day Feasibility
3 Review Request for Completeness and Forwards to OSP Tactical Planning
4 BART Group Provides Billing Job Number for Feasibility Study Charge
5 Reviews Order, Initiates CPD, and Sends Order to Field Engineer
6 Site Visit Made to Determine is Technically Feasible
7 Advice Tactical Planner if Feasible and Send Field Notes and Time Frames
8 Fowards Time Intervals and Field Notes to IAC/SCG
9 Prepare Costs Quote for Construction
10 Send Feasibility Study Bill, Construction Time Frames and Cost Quote to CLEC
11 Receive Quote 30 Days to Accept or Reject Quote
12 CLEC Accepts Quote and Notifies Acct Rep
13 Advise IAC/SCG to Proceed with Contruction Project
14 Notify BART to Bill Construction Quote Amount
15 Prepare Bill and Send to CLEC
16 CLEC Receives Quote Bill
Go to A

Field Connection Point Provisioning Process



Field Connection Point Provisioning Task List

Assoc. Task #	Process
1	Co-Provider requests a Field Connection Point via issuing a complete and accurate Field Connection Form (www.uswest.com/carrier/guides/interconnect/ntm/form_connection.html)
2	Account Representative reviews the FCP Form for completeness. If additional information is needed the form will be returned to the Co-Provider. The Co-Provider will be advised that they will be notified within 30 days if requested location is technically feasible. The form is forwarded to the Infrastructure Availability Center (IAC) Manager
3	The IAC Manager reviews the order to verify that all information needed for the feasibility study is on the form.
4	The IAC Manager contacts the BART Group and is given a billing job number for the feasibility study. The request can now be sent to the OSP Tactical Planning to begin feasibility study
5	The Tactical Planner reviews the order and verifies that Distribution Area (DA) and Feeder Distribution Interfaces (FDI)/Serving Area Interfaces (SAI) meet Architecture/Models & Configurations (AMC) guidelines. Planner initiates Common Planning Document (CPD) and sends to JETS (cost tracking system). The request is sent to Field Design Engineer to obtain field notes to ascertain if cable can be terminated in existing FDI, FDI can be retrofitted, or location of new FDI/FCP
6	Field Engineer makes the site visit and determines: existing FDI can be used or retrofitted, location of new FDI (if needed), location of new FCP, conduit/cable path to new FDI and FCP, method of construction (boring or trenching), Special construction costs (i.e., asphalt and/or sidewalk replacement), permit or easement requirements and approximate cost, and construction time interval.
7	Once information is compiled the Field Engineer will notify the Tactical Planner if the request is technically feasible and will provide the field notes and time intervals required to satisfy the request
8	The Tactical Planner forwards the approximate time intervals and field notes to the IAC Manager. If there is a viable technical reason a Co-Provider cannot be accommodated at the requested location, the planner will send a detailed memo to the IAC stating the reasons the request was denied
9	The IAC Manager prepares construction costs or reasons the request is being denied and forward to the Account Representative
10	The Account Representative reviews the information received from IAC and sends Feasibility Study bill along with time frames and construction cost quote to the Co-Provider
11	The Co-provider receives construction quote, time frames and bill for feasibility study. The Co-Providers has 30 days to accept or reject quote. If the Co-provider rejects quote, the bill for the study is paid and the Account Representative is notified
12	If the Co-Provider accepts quote, they will notify the Account Representative
13	The Account Representative upon hearing Co-provider's acceptance will notify the IAC to proceed with the construction project.
14	The IAC Manager will notify BART group to send bill to the Co-provider for the quoted construction costs
15	Bart Bill is sent to the Co-Provider
16	Co-Provider receives construction bill
17	Co-Provider pays construction bill
18	BART Group receives construction bill payment. Notifies the IAC of the Billing Job Number

Field Connection Point Provisioning Task List

Assoc. Task #	Process
1	Co-Provider requests a Field Connection Point via issuing a complete and accurate Field Connection Form. (www.uswest.com/carrier/guides/interconnect/html/form_connection.html)
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5	The Tactical Planner reviews the order and verifies that Distribution Area (DA) and Feeder Distribution Interfaces (FDI)/Serving Area Interfaces (SAI) meet Architecture/Models & Configurations (AMC) guidelines. Planner initiates Common Planning Document (CPD) and sends to JETS (cost tracking system). The request is sent to Field Design Engineer to obtain field notes to ascertain if cable can be terminated in existing FDI, FDI can be retrofitted, or location of new FDI/FCP.
6	Field Engineer makes the site visit and determines: existing FDI can be used or retrofitted, location of new FDI (if needed), location of new FCP, conduit/cable path to new FDI and FCP, method of construction (boring or trenching), Special construction costs (i.e., asphalt and/or sidewalk replacement), permit or easement requirements and approximate cost, and construction time interval.
7	Once information is compiled the Field Engineer will notify the Tactical Planner if the request is technically feasible and will provide the field notes and time intervals required to satisfy the request.
8	The Tactical Planner forwards the approximate time intervals and field notes to the IAC Manager. If there is a viable technical reason a Co-Provider cannot be accommodated at the requested location, the planner will send a detailed memo to the IAC stating the reasons the request was denied.
9	The IAC Manager prepares construction costs or reasons the request is being denied and forward to the Account Representative.

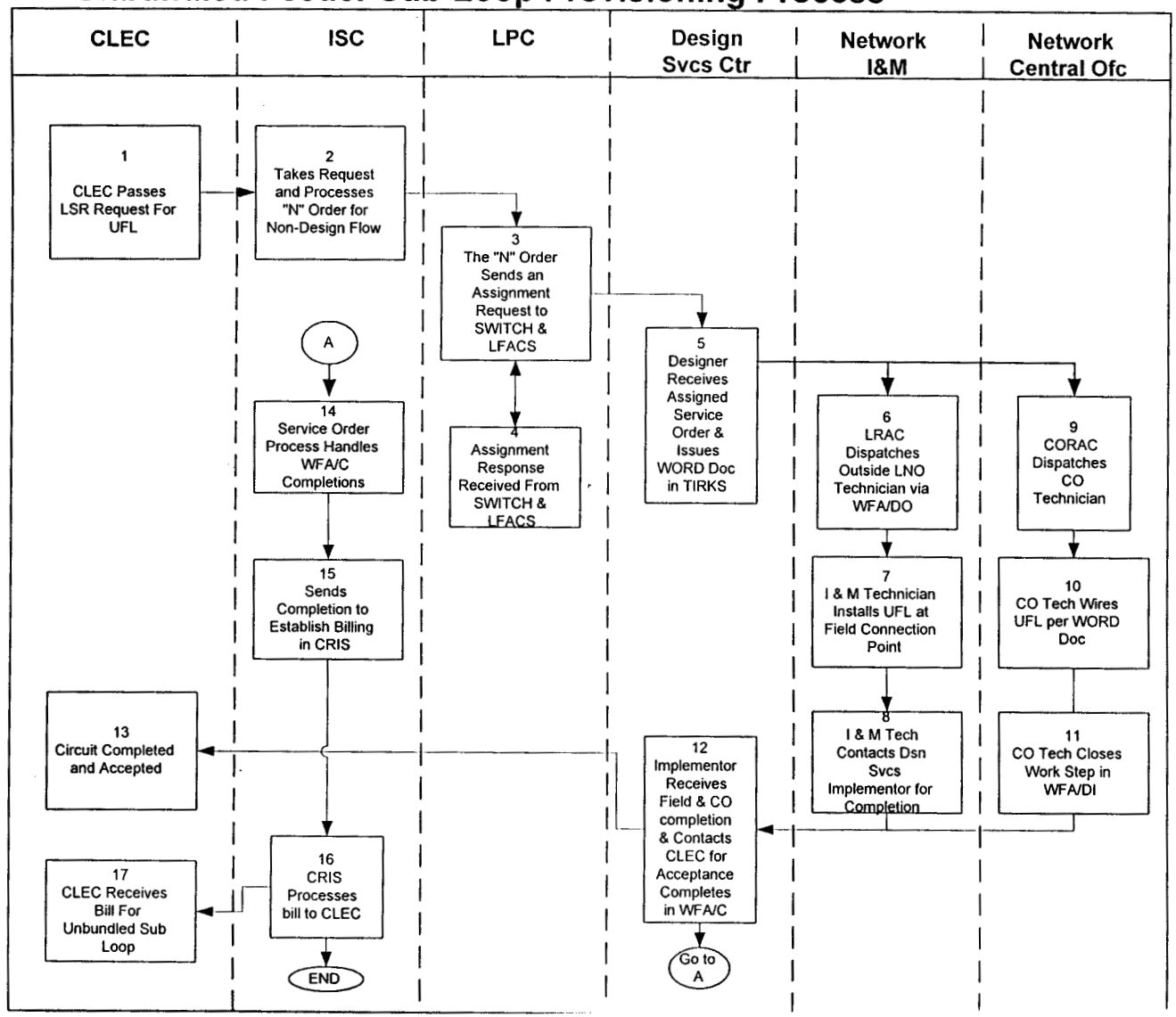
Field Connection Point Provisioning Task List

Assoc. Task #	Process
19	The IAC Manager notifies the Field Engineer to proceed with the construction project.
20	The Field Engineer receives information from IAC and completes CPD in Design Work Package (DWP) and issues to Construction Management Center (CMC). If required the Engineer obtains the permits and/or right of ways. The Engineer completes the Field Connection Point Termination Sheet and sends it to IAC. (The Field Connection Point Termination Sheet provides termination information from the field connection point to the field distribution interface, i.e., binding post with a unique cable designation. The "sheet" is sent to the CLEC at the end of the process.)
21	Field Engineer makes field inspection and verifies that the Co-Provider placed protectors in their cabinet.
22	IAC receives and retains the Field Connection Point Termination Sheet until completion of construction project.
23	Co-Provider notifies IAC Manager of their time frames for placing their cable and equipment to the FCP.
24	Once the IAC is aware of Co-Provider's time frames the IAC will notify the Field Engineer.
25	Field Engineering will notify the Construction CMC so that splicing may be scheduled accordingly.
26	Construction completes job in the field, obtains the RFS number, updates Job Scheduler and closes job. CMC notifies Loop Provisioning Center (LPC) that the job is complete.
27	The LPC build the FCP inventory in LFACS database and notifies IAC that the job is complete.
28	The IAC receives completion notification and advises the Account Representative of job finish. The IAC sends the FCP Termination Sheet to the Account Representative.

10	The Account Representative reviews the information received from IAC and sends Feasibility Study bill along with time frames and construction cost quote to the Co-Provider.
11	The Co-provider receives construction quote, time frames and bill for feasibility study. The Co-Providers has 30 days to accept or reject quote. If the Co-provider rejects quote, the bill for the study is paid and the Account Representative is notified..
12	If the Co-Provider accepts quote, they will notify the Account Representative
13	The Account Representative upon hearing Co-provider's acceptance will notify the IAC to proceed with the construction project.
14	The IAC Manager will notify BART group to send bill to the Co-provider for the quoted construction costs.
15	Bart Bill is sent to the Co-Provider.
16	Co-Provider receives construction bill.
17	Co-Provider pays construction bill.
18	BART Group receives construction bill payment. Notifies the IAC of the Billing Job Number.

29	The Account Representative advises the Co-Provider that the job is complete and forwards to the Co-Provider the FCP Termination Sheet.
30	Co-Provider receives completion notification and the FCP Termination Sheet.

Unbundled Feeder Sub-Loop Provisioning Process



Unbundled Feeder Sub-Loop (UFL) Provisioning Task List

Assoc. Task #	Process
1	Co-Provider sends request for unbundled feeder loop (UFL) using Local Service Request (LSR) to the ISC. The LSR can be sent via IMA or fax.
2	The Service Order Administrator (SOA) in the Interconnect Service Center (ISC) receives and reviews the LSR for completeness and accuracy. The SOA issues a non designed "N" order into the service order processor (SOP)
3	The Loop Provisioning Center (LPC) monitors the facility assignments onto the service order.
4	SWITCH and LFACS sends assignment responses to the LPC for the order
5	The Designer in the Design Service Center receives the service order and issues a WORD document in TIRKS.
6	LRAC dispatches the order to an outside LNO technician via WFA/DO.
7	I&M Technician installs the unbundled feeder loop at the field connection point (FCP).
8	The I&M Technician contacts the Implementor in Design Service Center to advise outside work is complete.
9	CORAC dispatches the order to the Central Office Technician (COT) via WFA/DI
10	The COT wires the unbundled feeder loop in the wire center per the WORD doc from TIRKS.
11	The COT close the work step in WFA/DI. The inside work is complete.

12	The Implementor receivers the Field and Central Office completions and contacts the Co-Provider for Acceptance of the service. The work is completed in WFA/C
13	Co-Provider accepts service.
14	Linkage between WFA/C and the service order process completes the service order in the SOP.
15	The completed service order in the SOP creates a message to CRIS to establish billing for the service.
16	CRIS processes a monthly bill to send to the Co-Provider.
14	The Co-Provider receives bill for unbundled feeder sub-loop.

Arizona Corporation Commission
Docket No. T-00000B-97-0238
Qwest Corporation - KAS - 13
Exhibits of Karen A. Stewart
Page 1 of 2, July 21, 2000

Unbundled Feeder Sub-Loop (UFL) Provisioning Task List

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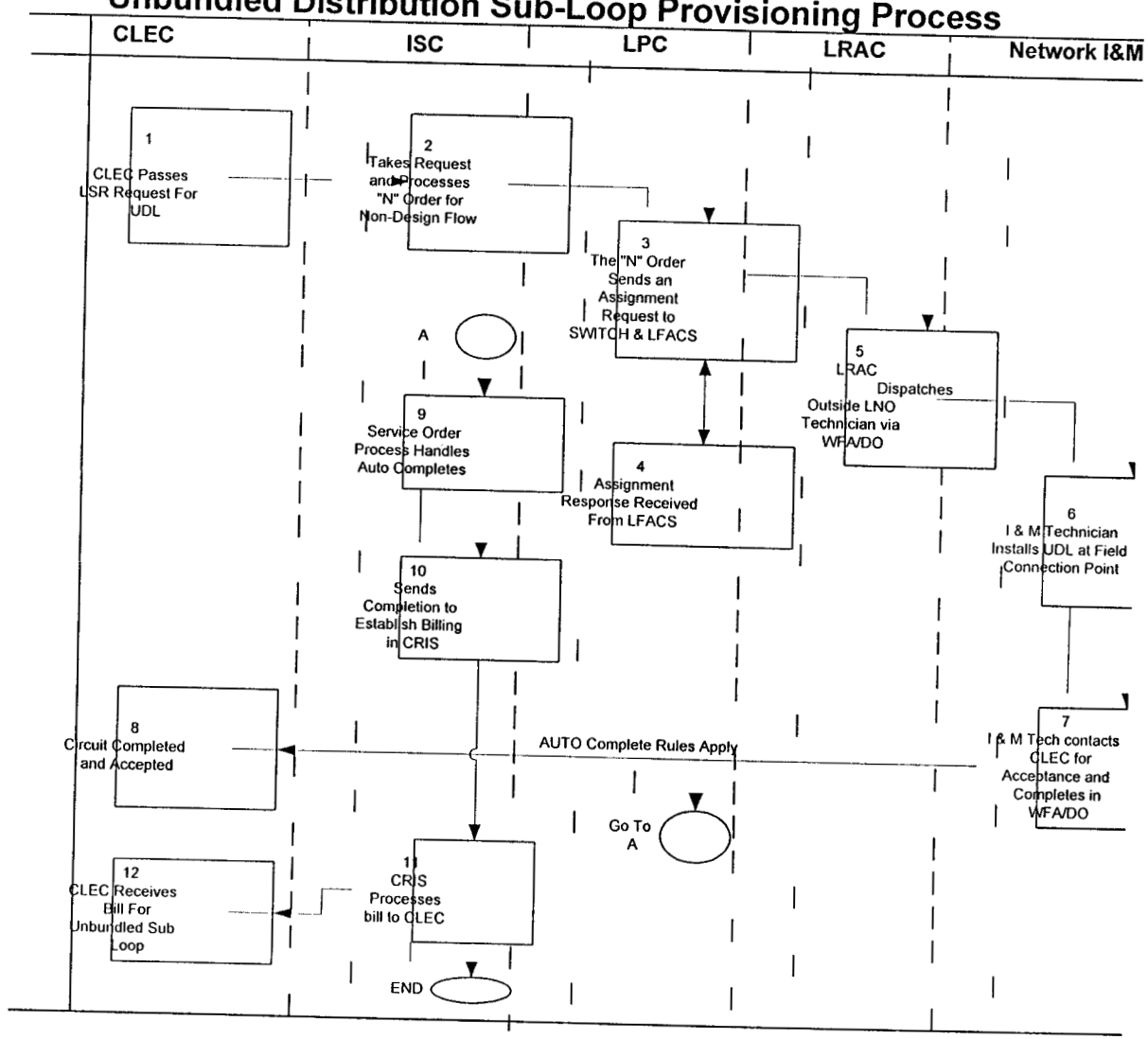
4	SWITCH and LFACS sends assignment responses to the LPC for the order
5	The Designer in the Design Service Center receives the service order and issues a WORD document in TIRKS
6	LRAC dispatches the order to an outside LNO technician via WFA/DO
7	I&M Technician installs the unbundled feeder loop at the field connection point (FCP).
8	The I&M Technician contacts the Implementor in Design Service Center to advise outside work is complete
9	CORAC dispatches the order to the Central Office Technician (COT) via WFA/DI
10	The COT wires the unbundled feeder loop in the wire center per the WORD doc from TIRKS
11	The COT close the work step in WFA/DI. The inside work is complete
12	The Implementor receivers the Field and Central Office completions and contacts the Co-Provider for Acceptance of the service. The work is completed in WFA/C
13	Co-Provider accepts service
14	Linkage between WFA/C and the service order process completes the service order in the SOP.
15	The completed service order in the SOP creates a message to CRIS to establish billing for the service.
16	CRIS processes a monthly bill to send to the Co-Provider
14	The Co-Provider receives bill for unbundled feeder sub-loop.

Unbundled Distribution Sub-Loop Provisioning Process

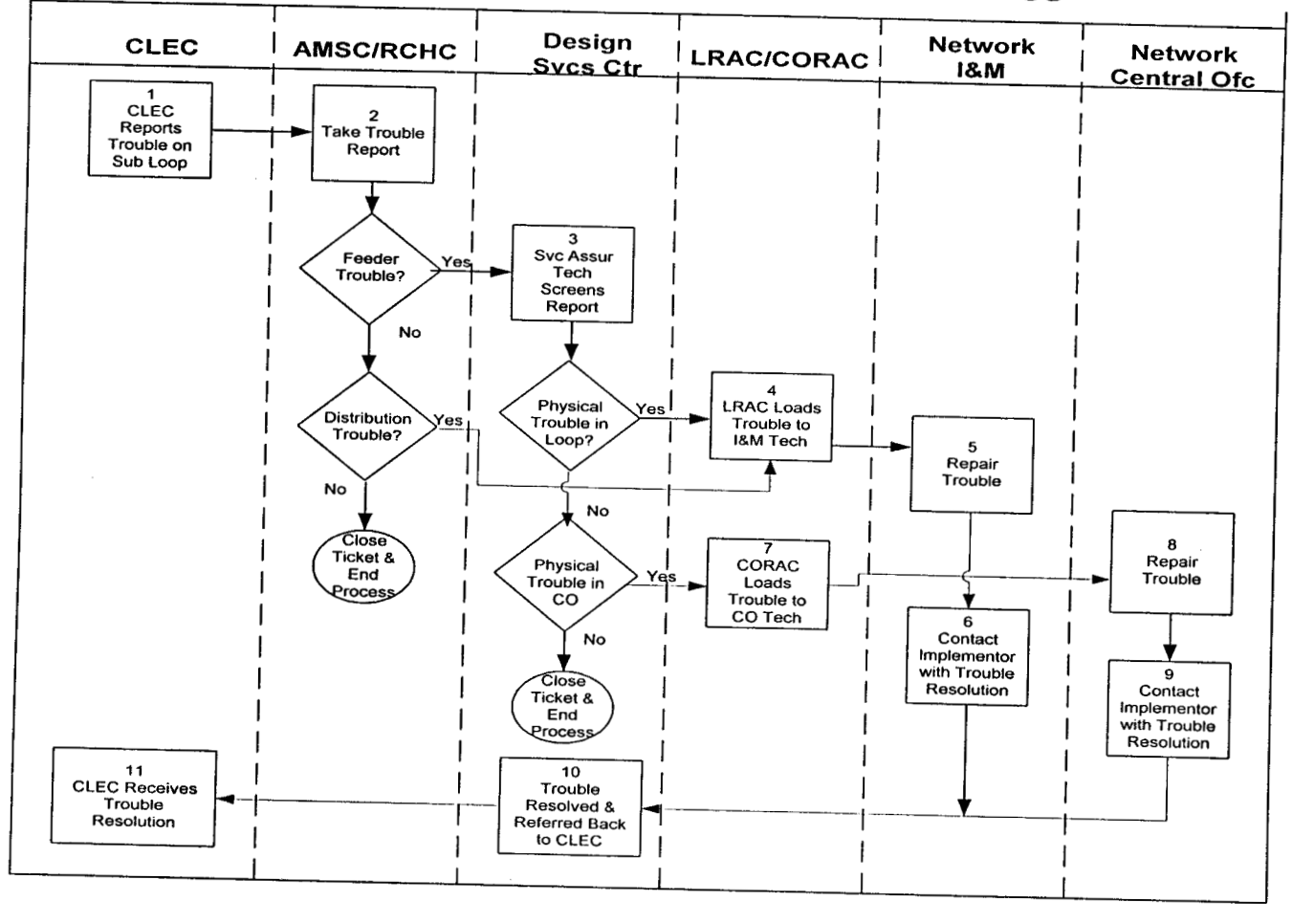


Unbundled Distribution Sub-Loop (UDL) Provisioning Task List

Assoc. Task #	Process
1	Co-Provider sends request for unbundled feeder loop (UDL) using Local Service Request (LSR) to the ISC. The LSR can be sent via IMA or fax.
2	The Service Order Administrator (SOA) in the Interconnect Service Center (ISC) receives and reviews the LSR for completeness and accuracy. The SOA issues a non designed "N" order into the service order processor (SOP)
3	The Loop Provisioning Center (LPC) monitors the facility assignments onto the service order.
4	SWITCH and LFACS sends assignment responses to the LPC for the order
5	LRAC dispatches the order to an outside LNO technician via WFA/DO.
6	I&M Technician installs the unbundled distribution loop at the field connection point (FCP).
7	The I&M Technician contacts the Co-Provider for acceptance of the loop and completes work in WFA/DO.
8	Co-Provider accepts service
9	Linkage between WFA/C and the service order process completes the service order in the SOP.
10	The completed service order in the SOP creates a message to CRIS to establish billing for the service.
11	CRIS processes a monthly bill to send to the Co-Provider.

12	The Co-Provider receives bill for unbundled distribution sub-loop.

Unbundled Sub-Loop Maintenance Process

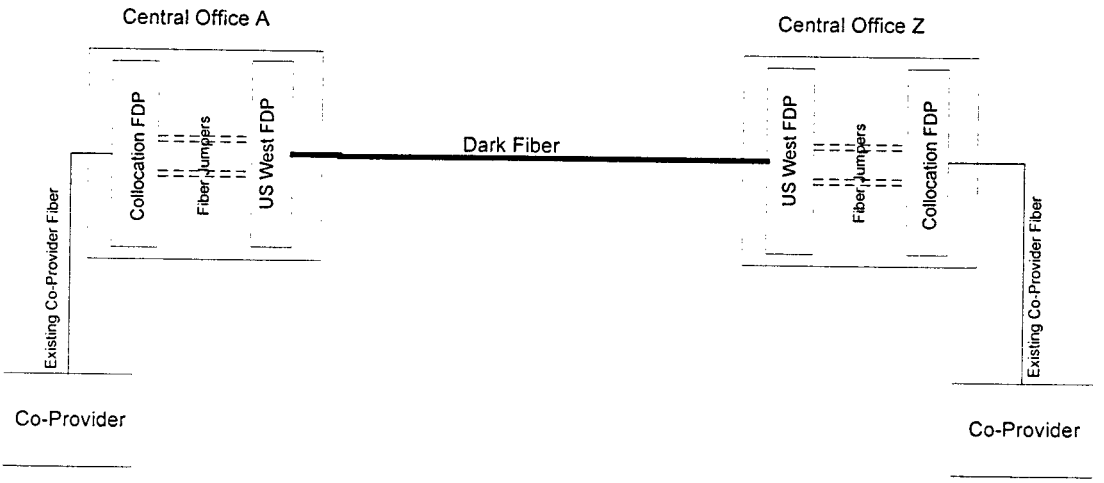


Sub-Loop
Maintenance Task List

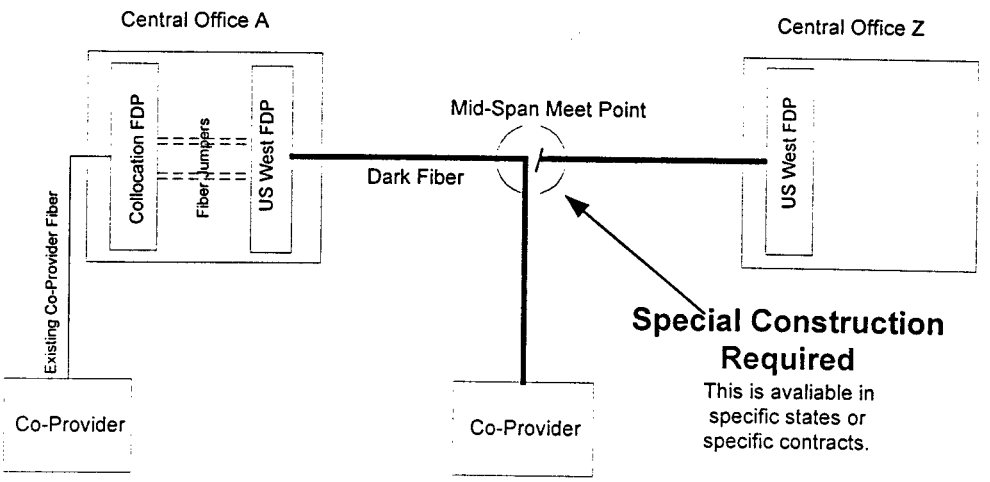
Assoc. Task #	Process
1	Co-Provider reports trouble on the Distribution and/or Feeder Sub-Loop to U S WEST.
2	The Co-provider's trouble report comes into the Account Maintenance Support Center/Repair Call Handling Center (AMSC/RCHC). It is first determined if the trouble being reported is a Feeder or Distribution problem. If the trouble is Feeder the report is recorded in WFA-C and sent on the Design Service Center (go to Task 3). If the trouble is determined to be a Distribution problem the report is recorded in LMOS and sent to the LRAC (go to Task 4).
3	In the Design Center Service additional screening and testing is performed by a Service Assurance Technician to determine if the physical trouble is in the loop or in the U S WEST Central Office. If the trouble is in the loop in the field the LRAC is notified (go to Task 4). If the trouble is in the U S WEST Central Office the report is routed to the CORAC (go to Task 7).
4	The LRAC loads the trouble to a I&M Technician for dispatch to the field.
5	The Network I&M Technician determines the physical trouble and repairs the sub-loop. If repair was of the Distribution sub loop the technician reports resolution to the Co-provider and closes the ticket in LMOS (go to Task 11). If the repair was to Feeder sub-loop go to Task 6.
6	Once the Feeder sub-loop is repaired in the field the I&M Technician contract the Design Implementor in the Design Service Center with the trouble resolution.
7	The CORAC loads the trouble to a Central Office Technician (COT) for resolution

8	The Central Office Technician determines the cause of the trouble with the Feeder Sub Loop and repairs the sub-loop.
9	Once the Feeder sub-loop is repaired in the Central Office the COT contract the Design Implementor in the Design Service Center with the trouble resolution.
10	The Implementor receives the repair resolution from the COT or I&M Technician, contacts the Co-Provider with the resolution information and closes the ticket
11	The Co-provider receives the trouble resolution from U S WEST

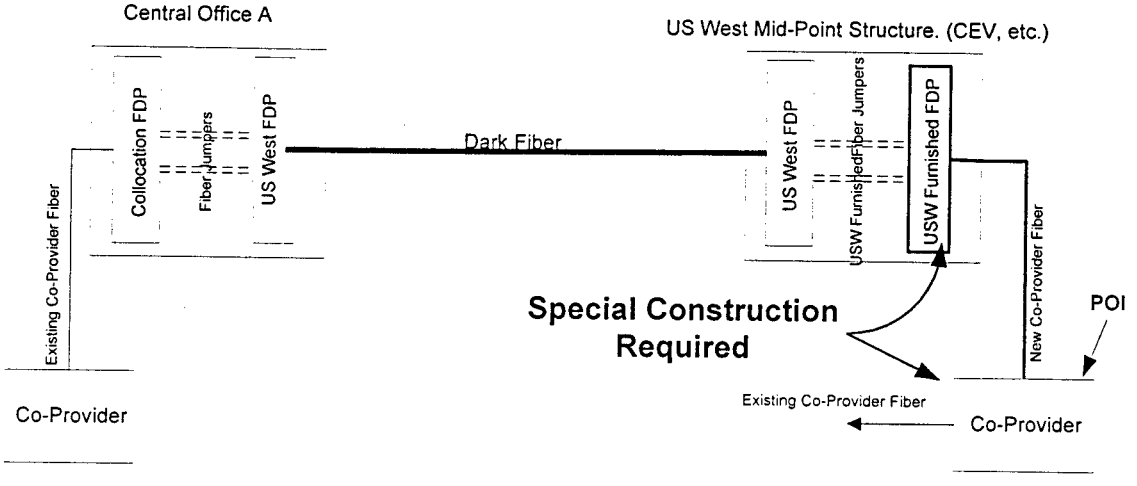
UDF-IOF, USWEST Central Office to USWEST Central Office



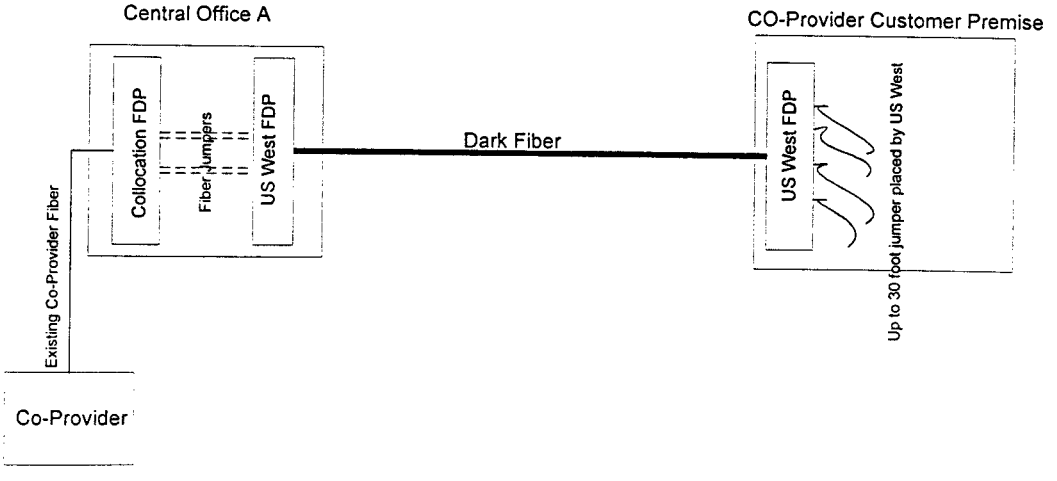
UDF-IOF, USWEST Central Office to Mid-Span Meet



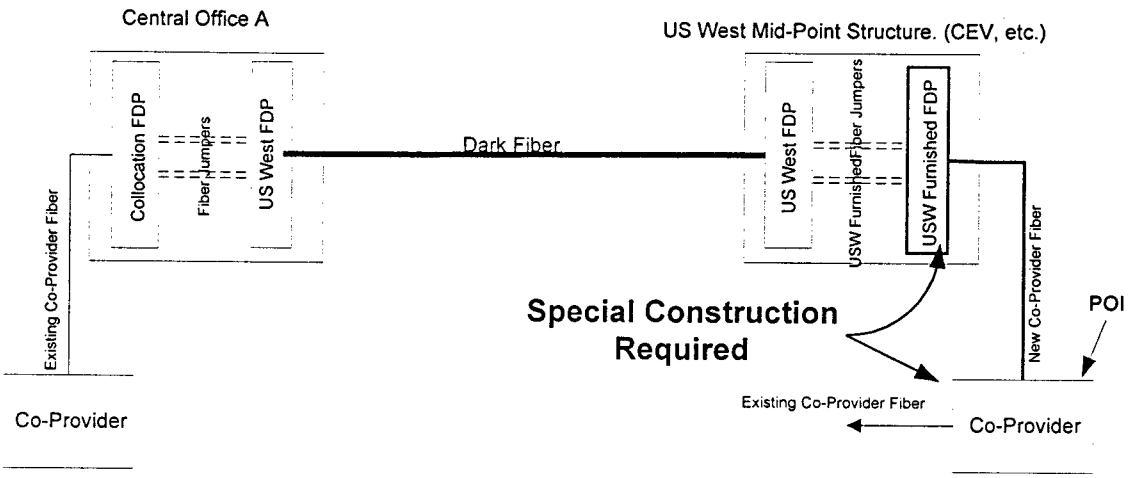
UDF-IOF, USWEST Central Office to US WEST MID-POINT STRUCTURE,CEV, etc.



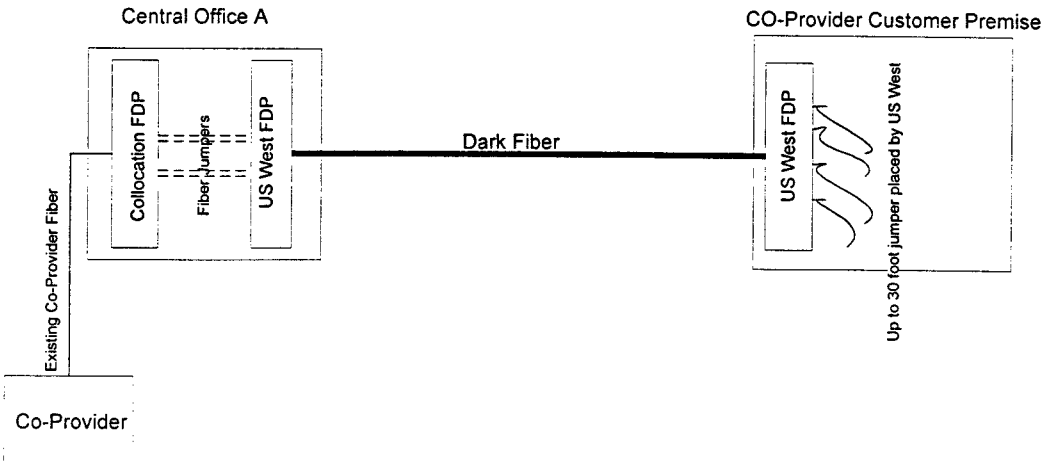
UDF-Loop, USWEST Central Office to Co-Provider Customer Premise



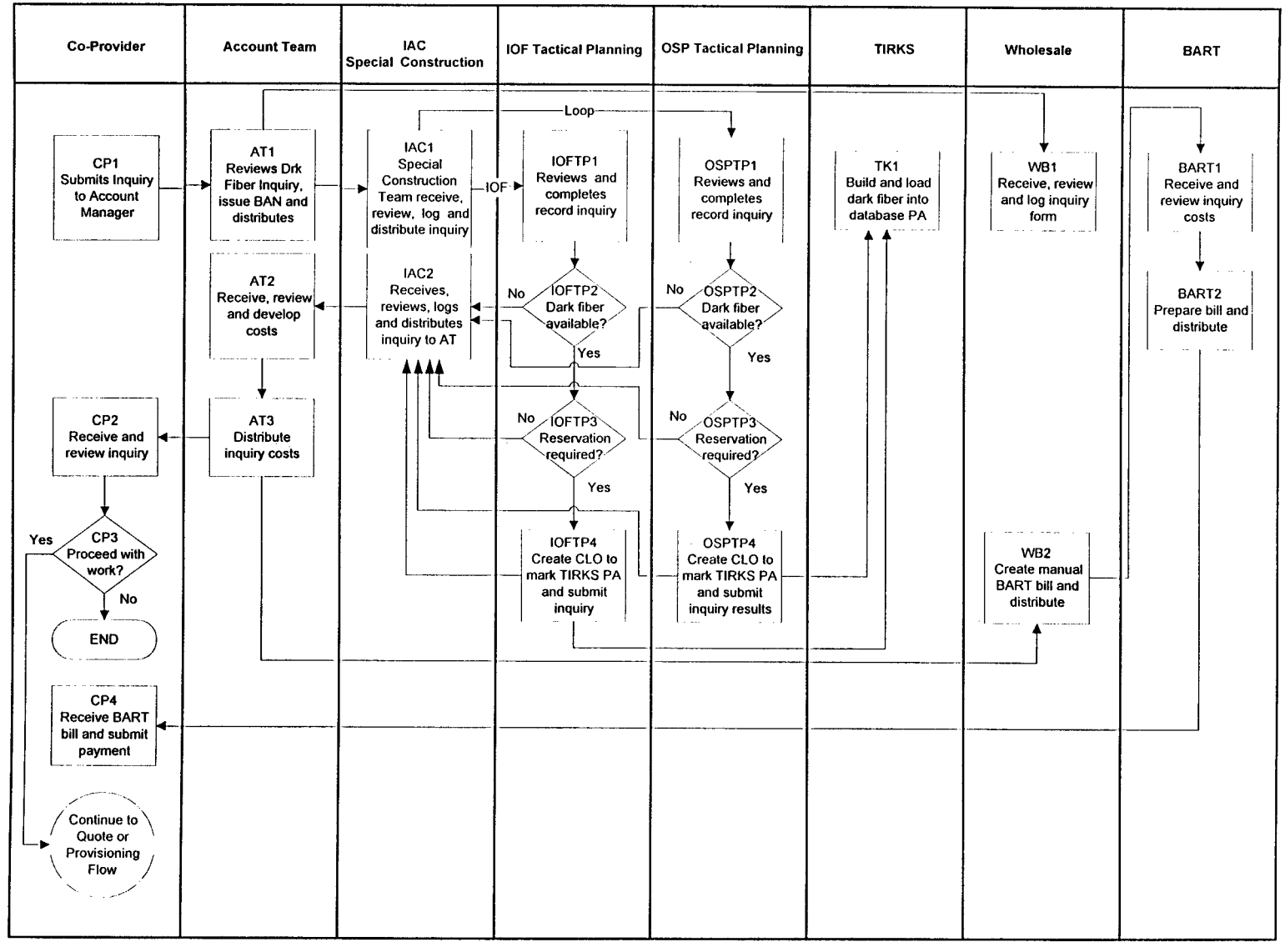
UDF-IOF, USWEST Central Office to US WEST MID-POINT STRUCTURE,CEV, etc.



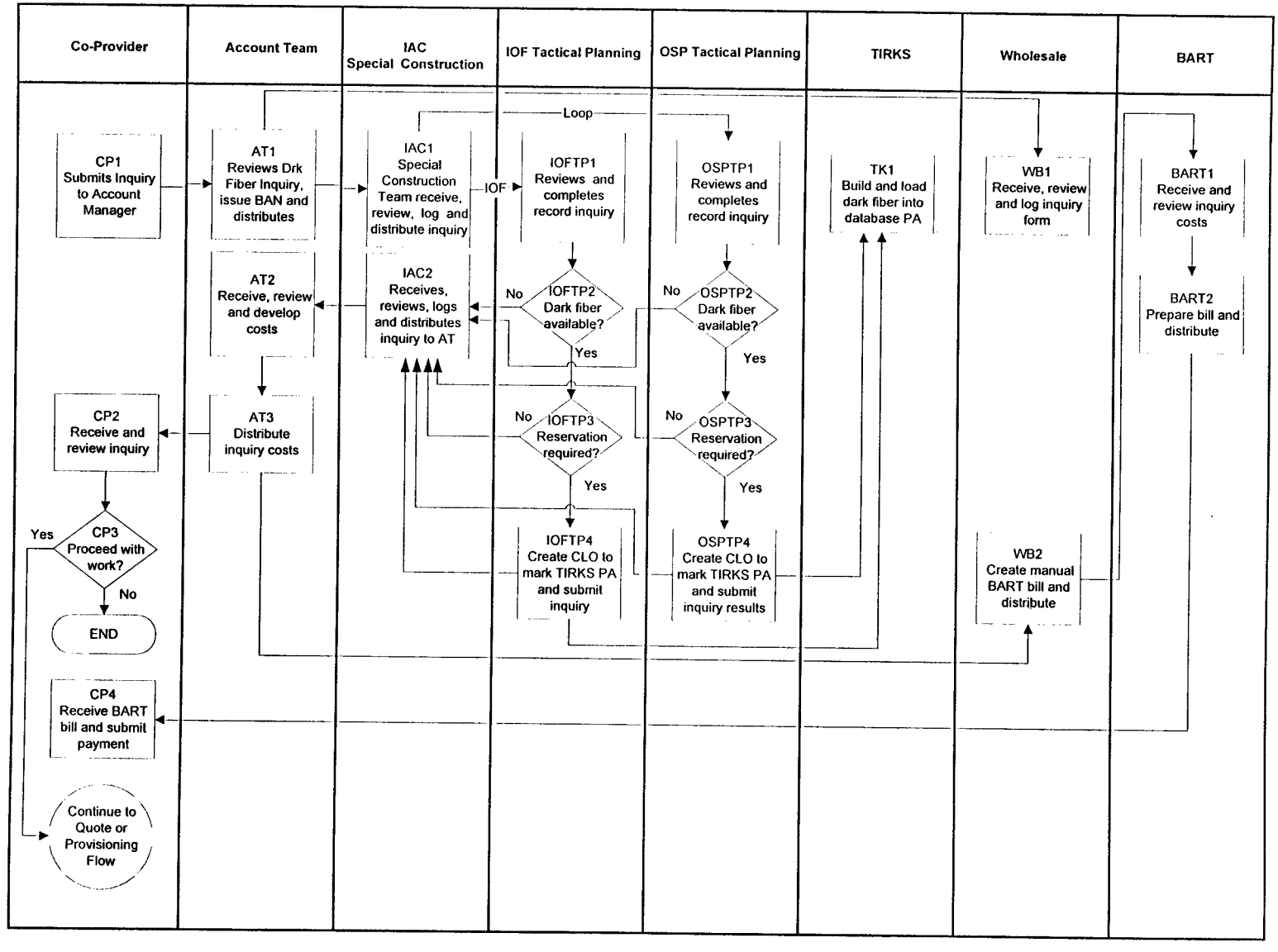
UDF-Loop, USWEST Central Office to Co-Provider Customer Premise



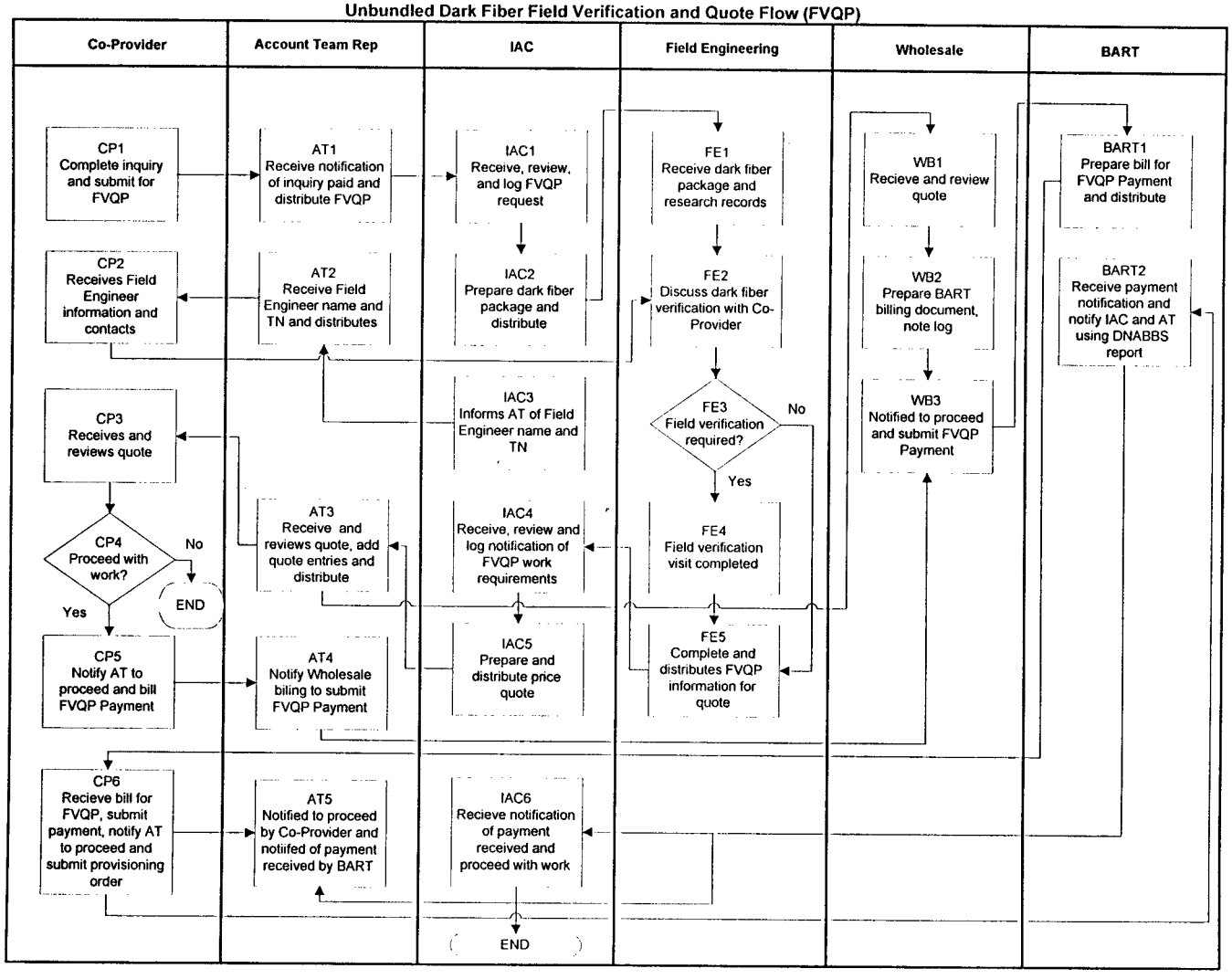
Unbundled Dark Fiber Inquiry Process



Unbundled Dark Fiber Inquiry Process

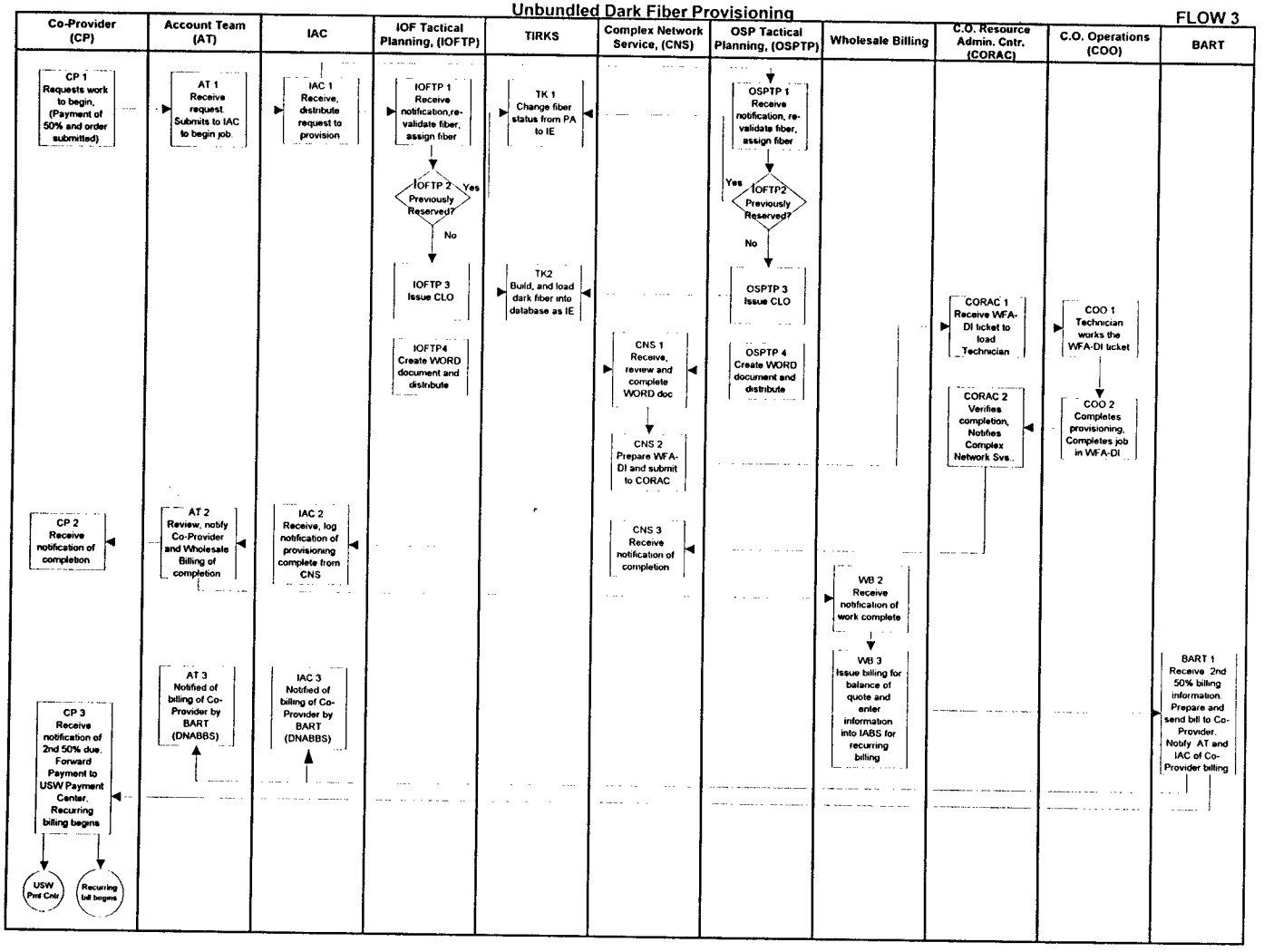


Unbundled Dark Fiber Field Verification and Quote Flow (FVQP)

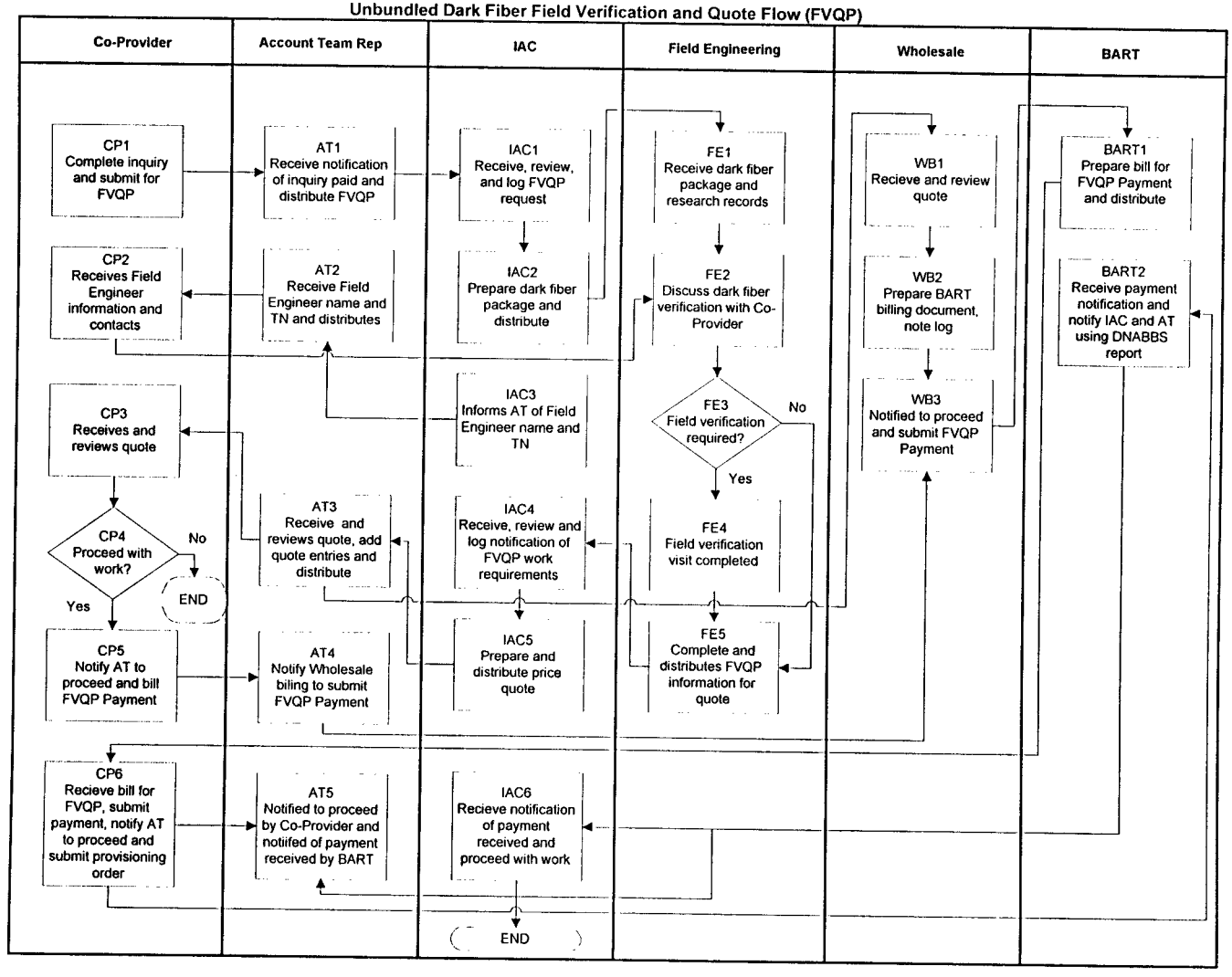


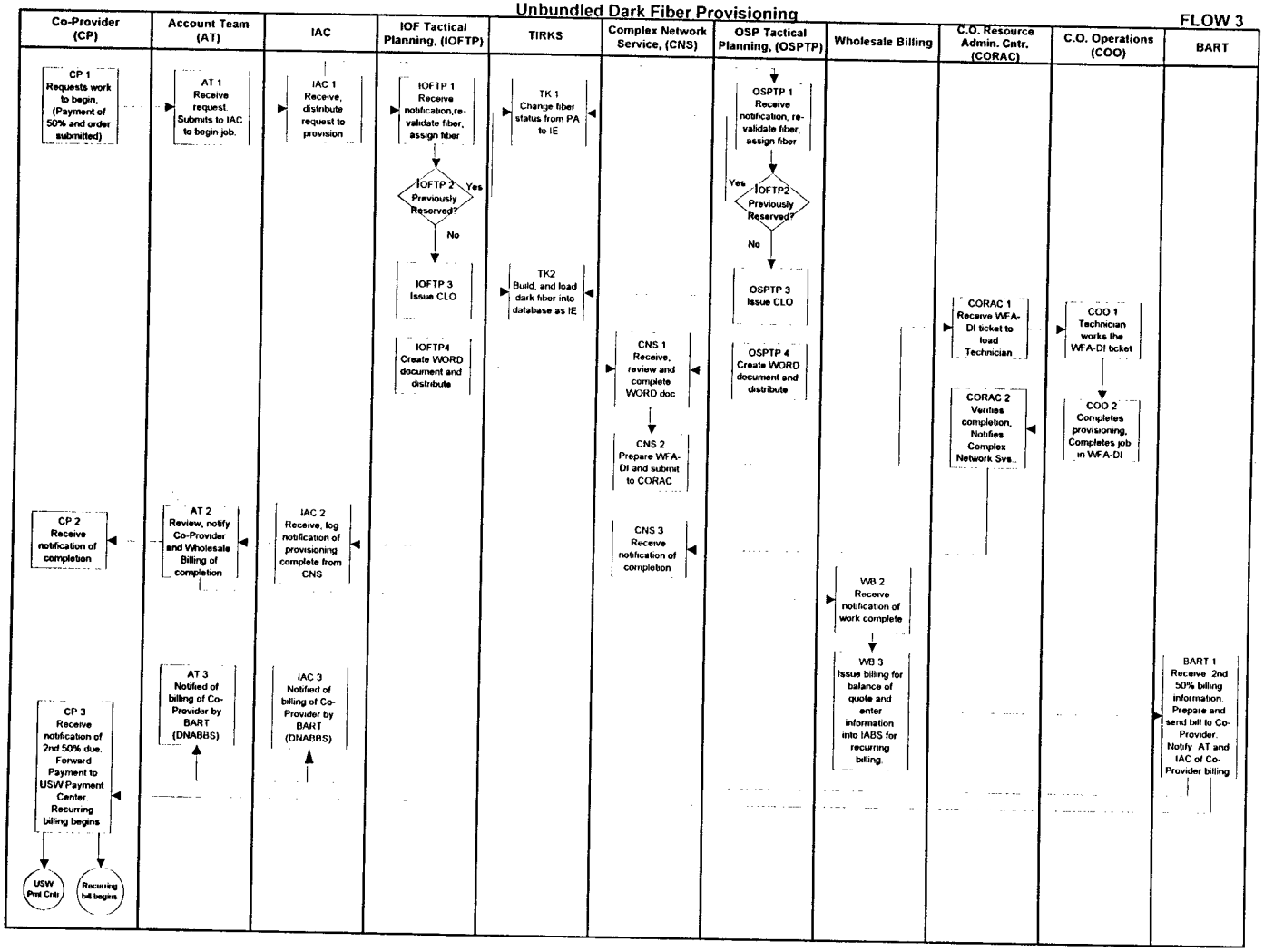
Unbundled Local Loop Maintenance Task List

Assoc. Task #	Process
2-Wire & 4-Wire Voice Grade Analog, Coord Option	
1 or 2	Trouble ticket submitted NOTE: If CLEC has a system interface they may submit report electronically. Otherwise CLEC calls AMSC to report trouble and steps 2 and 3 are required.
3	Process ticket received from CLEC
4	Trouble ticket created
5	Analyze trouble ticket, identify location, and assign to appropriate organization
6	When trouble location cannot be identified, ticket assigned to Installation & Maintenance Technician
7	Trouble ticket received in Network Operations
8	Trouble is isolated
9	Trouble repaired
10	Trouble ticket updated
11	Contact SAT with ticket results
12	CLEC notified
13 and 14	CLEC accepts service and Trouble ticket closed


Unbundled Dark Fiber Provisioning
FLOW 3
Co-Provider (CP)
Account Team (AT)
IAC
IOF Tactical Planning, (IOFTP)
TIRKS
Complex Network Service, (CNS)
OSP Tactical Planning, (OSPTP)
Wholesale Billing
C.O. Resource Admin. Cntr. (CORAC)
C.O. Operations (COO)
BART
CP 1 Requests work to begin, (Payment of 50% and order submitted)
AT 1 Receive request. Submits to IAC to begin job.
IAC 1 Receive, distribute request to provision
IOFTP 1 Receive notification,re-validate fiber, assign fiber
IOFTP 2 Previously Reserved?
Yes
No
IOFTP 3 Issue CLO
IOFTP4 Create WORD document and distribute
TK 1 Change fiber status from PA to IE
TK2 Build, and load dark fiber into database as IE
CNS 1 Receive, review and complete WORD doc
CNS 2 Prepare WFA-DI and submit to CORAC
CNS 3 Receive notification of completion
OSPTP 1 Receive notification, re-validate fiber, assign fiber
OSPTP2 Previously Reserved?
Yes
No
OSPTP 3 Issue CLO
OSPTP 4 Create WORD document and distribute
WB 2 Receive notification of work complete
WB 3 Issue billing for balance of quote and enter information into IABS for recurring billing
CORAC 1 Receive WFA-DI ticket to load Technician
CORAC 2 Verifies completion, Notifies Complex Network Svs.
COO 1 Technician works the WFA-DI ticket
COO 2 Completes provisioning, Completes job in WFA-DI
BART 1 Receive 2nd 50% billing information. Prepare and send bill to Co-Provider. Notify AT and IAC of Co-Provider billing
CP 2 Receive notification of completion
AT 2 Review, notify Co-Provider and Wholesale Billing of completion
IAC 2 Receive, log notification of provisioning complete from CNS
AT 3 Notified of billing of Co-Provider by BART (DNABBS)
IAC 3 Notified of billing of Co-Provider by BART (DNABBS)
CP 3 Receive notification of 2nd 50% due. Forward Payment to USW Payment Center. Recurring billing begins
USW Pmt Cntr
Recurring bill begins

Unbundled Dark Fiber Field Verification and Quote Flow (FVQP)




Unbundled Dark Fiber Provisioning
FLOW 3
Co-Provider (CP)
Account Team (AT)
IAC
IOF Tactical Planning, (IOFTP)
TIRKS
Complex Network Service, (CNS)
OSP Tactical Planning, (OSPTP)
Wholesale Billing
C.O. Resource Admin. Cntr. (CORAC)
C.O. Operations (COO)
BART
CP 1 Requests work to begin, (Payment of 50% and order submitted)
AT 1 Receive request. Submits to IAC to begin job.
IAC 1 Receive, distribute request to provision
IOFTP 1 Receive notification,re-validate fiber, assign fiber
IOFTP 2 Previously Reserved?
Yes
No
IOFTP 3 Issue CLO
IOFTP4 Create WORD document and distribute
TK 1 Change fiber status from PA to IE
TK2 Build, and load dark fiber into database as IE
CNS 1 Receive, review and complete WORD doc
CNS 2 Prepare WFA-DI and submit to CORAC
CNS 3 Receive notification of completion
OSPTP 1 Receive notification, re-validate fiber, assign fiber
OSPTP2 Previously Reserved?
Yes
No
OSPTP 3 Issue CLO
OSPTP 4 Create WORD document and distribute
WB 2 Receive notification of work complete
WB 3 Issue billing for balance of quote and enter information into IABS for recurring billing.
CORAC 1 Receive WFA-DI ticket to load Technician
CORAC 2 Verifies completion, Notifies Complex Network Svs..
COO 1 Technician works the WFA-DI ticket
COO 2 Completes provisioning, Completes job in WFA-DI
BART 1 Receive 2nd 50% billing information. Prepare and send bill to Co-Provider. Notify AT and IAC of Co-Provider billing
CP 2 Receive notification of completion
AT 2 Review, notify Co-Provider and Wholesale Billing of completion
IAC 2 Receive, log notification of provisioning complete from CNS
AT 3 Notified of billing of Co-Provider by BART (DNABBS)
IAC 3 Notified of billing of Co-Provider by BART (DNABBS)
CP 3 Receive notification of 2nd 50% due. Forward Payment to USW Payment Center. Recurring billing begins
USW Pmt Cntr
Recurring bill begins

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____

INITIAL INQUIRY SIMPLE __ COMPLEX__

THIS INQUIRY IS RECORDS BASED ONLY AND DOES NOT GUARANTEE THE AVAILABILITY OF SPARE UDF

Each Section must be answered. failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per inquiry form. This is a records check and no guarantee that spare facilities actually exist.***

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

CLEC: _____Date Submitted: _____ [ ] 5 day or [ ] 10 day (response required)

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ]Y or [ ] N , "only if yes"...IS CLEC REQUESTING RESERVATION: [ ] Y or [ ] N. Note: If both "Y", USWEST will initiate recurring billing immediately.

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Important - a labeled map drawing required when Splice Point selected

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

Account Mgr. must now contact the IAC (303-792-4481) and fax this request (303-792-6516)

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

# of Fiber Cross Connects required _____ # of Fiber Terminations required _____

CP Completed by:_____ Telephone # _____

Remarks_____

Returned to Account Manager _____ Date: _____

WHOLESALE BILLING INSTRUCTION (COMPLETED BY ACCOUNT MGR.)

[ ] Unbundled Dark Fiber Initial Inquiry ; Simple, Bill @ $300.00 per route. Complex, Bill $350.00 per route. $_____.

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____ | **FIELD VERIFICATION QUOTE (FVQ) [ ] IOF SPLICE POINT OR [ ] LOOP STRUCTURE (CEV, ETC.)**

Each Section must be answered, failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per Field Verification Quote form.***

BAN number must match the initial records inquiry BAN (A CLLI to Z CLLI route)

CLEC authorized agent requesting this FVQ. Name: _____ Date:_____

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Co-Carrier Name: _____Date Submitted: _____ (20 day response)

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ] Y or [ ] N , "only if yes"...DID CLEC REQUEST RESERVATION: [ ] Y or [ ] N.

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Due Date: _____ Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

# of Fiber Cross Connects required _____ # of Fiber Terminations required _____

CP Completed by:_____ Telephone # _____

Remarks_____

Quote Prepared by: _____ Date: _____

Returned to Account Manager _____ Date: _____

WHOLESALE BILLING INSTRUCTION

[ ] Unbundled Dark Fiber Field Verification and Quote Process; Billed @ $1470.00 per route requested. $_____.

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____ | PROVISIONING (ORDER)

Each Section must be answered, failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per ORDER form.***

BAN number must match the initial records inquiry BAN (A CLLI to Z CLLI route)

CLEC authorized agent ORDERING UDF. Name: _____ Date:_____

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Co-Carrier Name: _____Date Submitted: _____

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ]Y or [ ] N , "only if yes"...DID CLEC REQUEST RESERVATION: [ ] Y or [ ] N

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation require: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Due Date: _____ Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

CP Completed by:_____ Telephone # _____

Remarks_____

Prepared by: _____ Date: _____

Returned to Account Manager _____ Date: _____

WHOLESALE BILLING INSTRUCTION

[ ] Unbundled Dark Fiber confirmation to provision has been received. Bill @ 50% of quoted charges for Splice Point or Loop Structure. Billed at $_____.

[ ] Unbundled Dark Fiber provisioning complete. Bill the remaining 50% of the quoted chares for Splice Point or Loop Structure. Bill non-recurring installation and recurring monthly charges. $_____.

[ ] Unbundled Dark Fiber provisioning complete. Bill one time turn up, non-recurring and recurring monthly charges. $_____. (100% - FVQP not required IOF or Loop request)

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____	INITIAL INQUIRY SIMPLE __ COMPLEX__ THIS INQUIRY IS RECORDS BASED ONLY AND DOES NOT GUARANTEE THE AVAILABILITY OF SPARE UDF

Each Section must be answered, failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per inquiry form. This is a records check and no guarantee that spare facilities actually exist.***

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

CLEC: _____Date Submitted: _____ [ ] 5 day or [ ] 10 day (response required)

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ]Y or [ ] N , "only if yes"...IS CLEC REQUESTING RESERVATION: [ ] Y or [ ] N. Note: If both "Y", USWEST will initiate recurring billing immediately.

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Important - a labeled map drawing required when Splice Point selected

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

Account Mgr. must now contact the IAC (303-792-4481) and fax this request (303-792-6516)

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

# of Fiber Cross Connects required _____ # of Fiber Terminations required _____

CP Completed by:_____ Telephone # _____

Remarks_____

Returned to Account Manager _____ Date: _____

WHOLESALE BILLING INSTRUCTION (COMPLETED BY ACCOUNT MGR.)

[ ] Unbundled Dark Fiber Initial Inquiry ; Simple, Bill @ $300.00 per route. Complex, Bill $350.00 per route. $_____.

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____

FIELD VERIFICATION QUOTE (FVQ) [ ] IOF SPLICE POINT OR [ ] LOOP STRUCTURE (CEV, ETC.)

Each Section must be answered, failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per Field Verification Quote form.***

BAN number must match the initial records inquiry BAN (A CLLI to Z CLLI route)

CLEC authorized agent requesting this FVQ. Name: _____ Date:_____

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Co-Carrier Name: _____Date Submitted: _____ (20 day response)

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ] Y or [ ] N , "only if yes"...DID CLEC REQUEST RESERVATION: [ ] Y or [ ] N.

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Due Date: _____ Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

# of Fiber Cross Connects required _____ # of Fiber Terminations required _____

CP Completed by:_____ Telephone # _____

Remarks_____

Quote Prepared by: _____ Date: _____

Returned to Account Manager _____ Date: _____

WHOLESALE BILLING INSTRUCTION

[ ] Unbundled Dark Fiber Field Verification and Quote Process; Billed @ $1470.00 per route requested. $_____.

U S WEST COMMUNICATIONS

UNBUNDLED DARK FIBER AVAILABILITY INQUIRY & REQUEST

BAN NUMBER: _____ | PROVISIONING (ORDER)

Each Section must be answered, failure to do so will result in a delay and the form may need to be resubmitted. ***One route (CLLI location A to CLLI location Z) allowed per ORDER form.***

BAN number must match the initial records inquiry BAN (A CLLI to Z CLLI route)

CLEC authorized agent ORDERING UDF. Name: _____ Date:_____

CLEC SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Co-Carrier Name: _____Date Submitted: _____

Contact Name: _____ ACNA:_____

Telephone number: _____ Facsimile number: _____

Date of Interconnection Agreement: _____Contract Number: _____

Contract indicates pair reservation is required*: [ ]Y or [ ] N , "only if yes"...DID CLEC REQUEST RESERVATION: [ ] Y or [ ] N

Remarks:_____

UNBUNDLED DARK FIBER SECTION (COMPLETED BY ACCOUNT MGR & CLEC)

Number & Type of Fibers Requested*: _____ [ ] IOF [ ] IOF Splice Point [ ] Loop Premise [ ] Loop Structure

Single Mode _____ Multi Mode _____

Location A CLLI _____ Location Z CLLI _____

Street address _____ Street address _____

City, State _____ City, State _____

Remarks:_____

NETWORK SECTION (COMPLETED BY OR THROUGH THE IAC)

IAC Project Manager: _____ Date Received _____ Date Due _____ Date Complete _____

Telephone #: _____Fax #: _____

Routed to: _____CLO Issued:_____

TIRKS Facility Reservation require: Y N RID date for TIRKS: _____

IOF Planning Engineer: _____Telephone #: _____

CP Engineer: _____Telephone #: _____

Due Date: _____ Date Returned to IAC: _____ Date Sent to ATR: _____

Spare IOF Fibers Avail: _____ Route #: _____ Record #: _____ # Cr Conn: _____

Splice Location: _____

Mileage from A location to Z location: _____ Mileage Span from FDP to FDP: _____

CP Completed by:_____ Telephone # _____

Remarks_____

Prepared by: _____ Date: _____

Returned to Account Manager _____ Date: _____

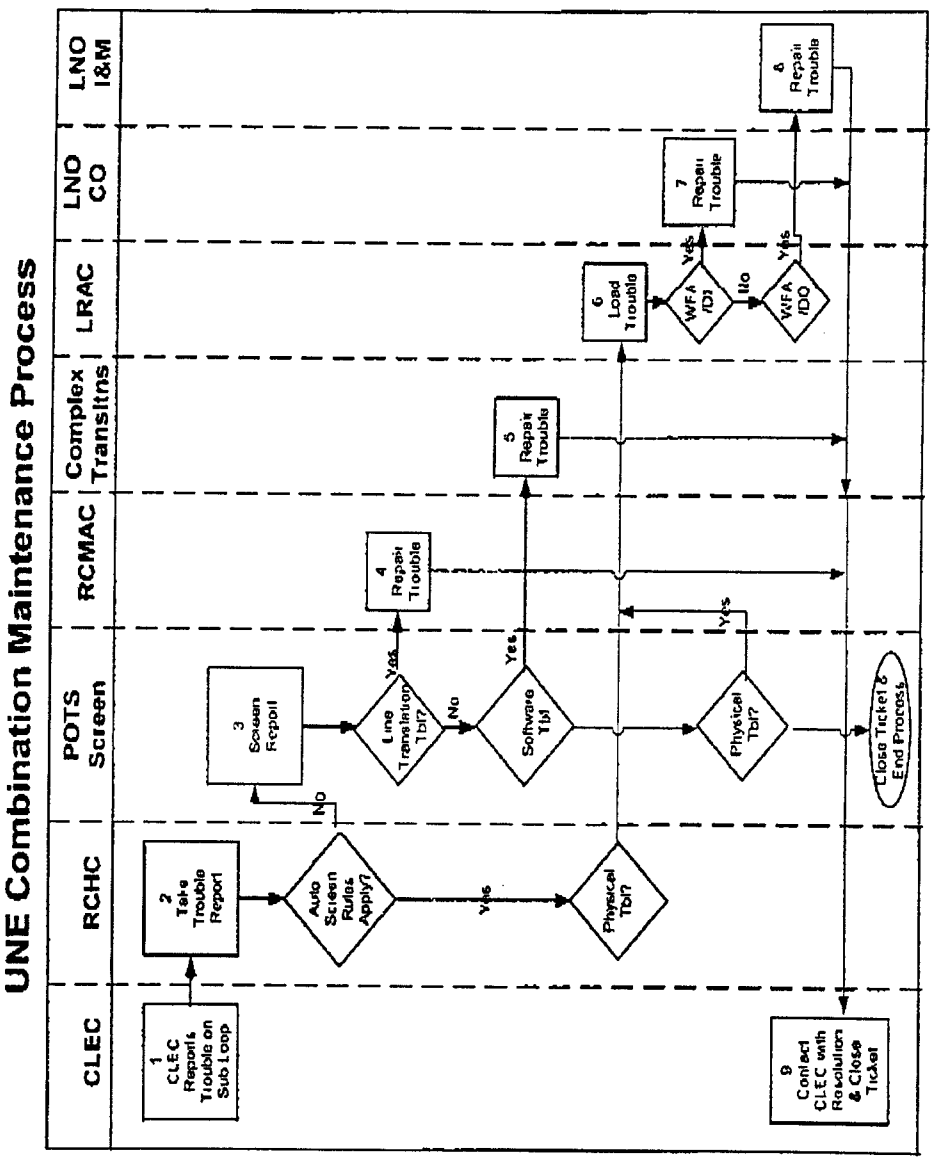
WHOLESALE BILLING INSTRUCTION

[ ] Unbundled Dark Fiber confirmation to provision has been received. Bill @ 50% of quoted charges for Splice Point or Loop Structure. Billed at $_____.

[ ] Unbundled Dark Fiber provisioning complete. Bill the remaining 50% of the quoted chares for Splice Point or Loop Structure. Bill non-recurring installation and recurring monthly charges. $_____.

[ ] Unbundled Dark Fiber provisioning complete. Bill one time turn up, non-recurring and recurring monthly charges. $_____. (100% - FVQP not required IOF or Loop request)

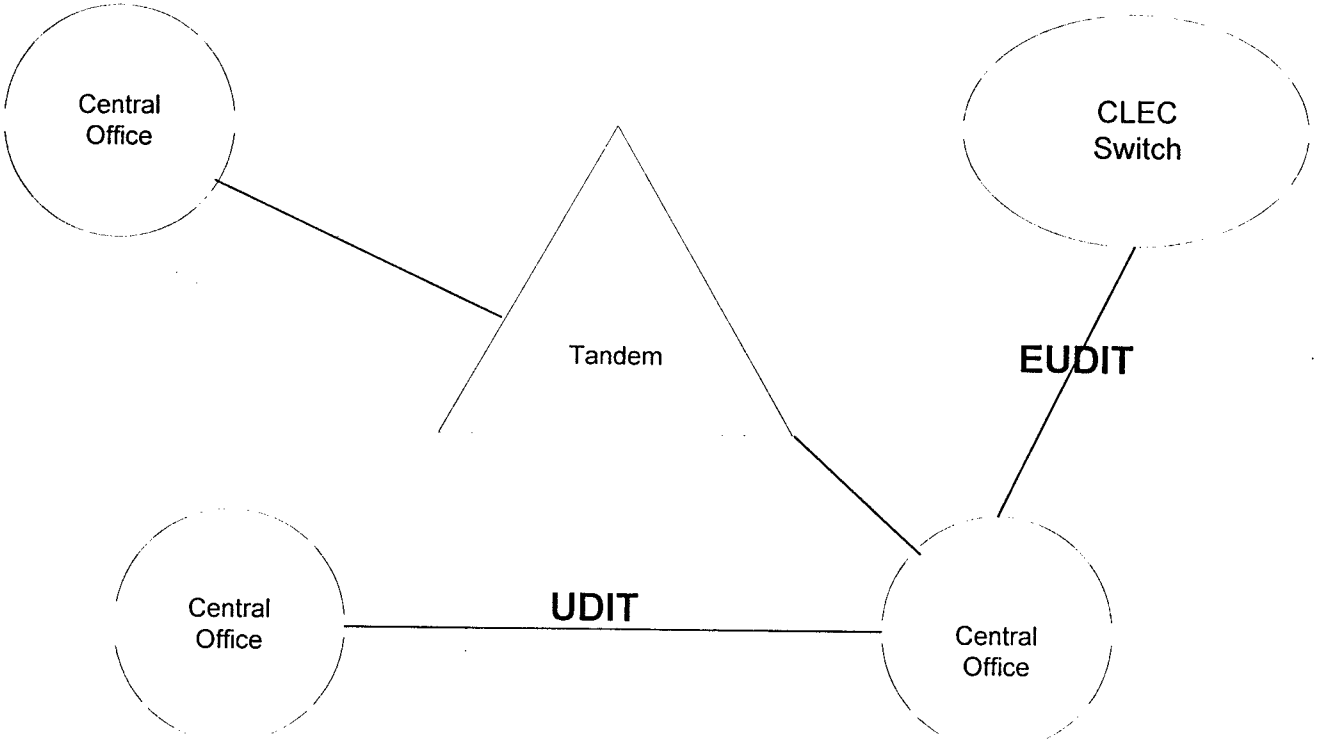
Arizona Corporation Commission
Docket No. T-00000B-97-0238
Qwest Corporation - KAS - 20
Exhibits of Karen A. Stewart
Page 1 of 2, July 21, 2000



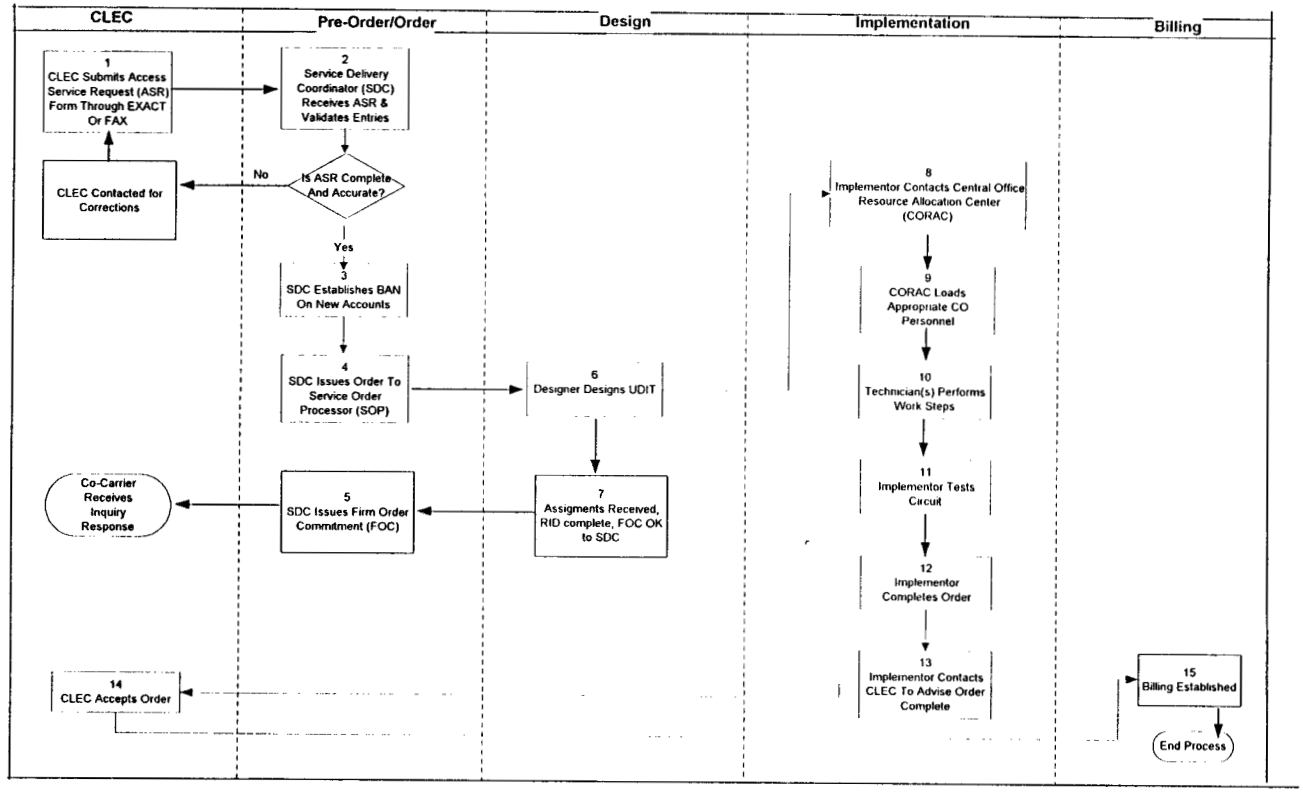
UNE Combination Maintenance Task List

Assoc. Task #	Process
1	Co-Provider reports trouble on the UNE Combination to U S WEST.
2	The Co-provider's trouble report comes into the Repair Call Handling Center (RCHC). If the trouble is determined to be physical trouble the report is sent to the LRAC (go to Task 6).
3	If auto screening rules do not apply additional screening is performed. If the problem is determined to be line translation trouble the trouble is referred to RCMAC(go to Task 4). If the trouble is determine to be software related the trouble is referred to Complex Translations (go to Task 5). If the trouble is physical is nature it is referred to LRAC (go to Task 6)
4	The RCMAC isolates and repairs translation trouble.
5	Complex Translations repairs software trouble.
6	LRAC loads trouble to appropriate technicians to isolate and repair physical trouble. WFA/DI loads trouble resolution to Central Office Technicians. WFA/DO loads trouble resolution to outside LNO technician.
7	The Central Office Technician determines the cause of the trouble in the central office and fixes trouble.
8	The LNO Installation and maintenance technicians isolates and repairs trouble.
9	All trouble resolution is referred back to the CLEC and the ticket closed.

Unbundled Dedicated Interoffice Transport (UDIT) Diagram



Unbundled Dedicated Interoffice Transport Provisioning Process

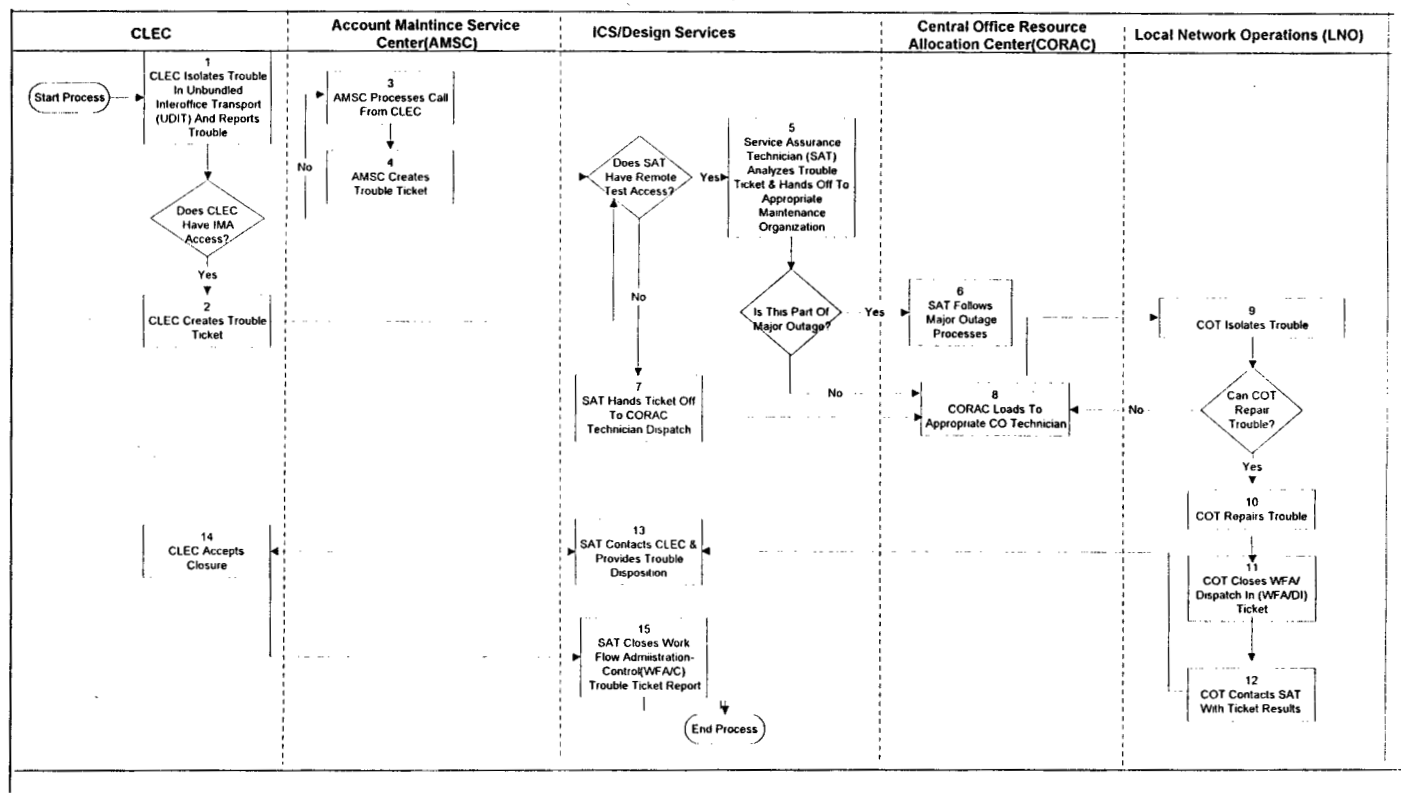


Unbundled Dedicated Interoffice Transport Provisioning Task List

Assoc. Task #	Process
1	Co-Provider Issues complete and accurate Access Service Request. These requests are issued through EXACT or by fax.
2	ASR and associated forms reviewed for completeness and accuracy by Service Delivery Coordinator (SDC). Contacts CLEC if necessary for corrections.
3	SDC establishes Billing Account Number (BAN) if necessary.
4	SDC issues order into the service order processor using appropriate intervals.
5	SDC receives OK from Designers (RID complete) and issues Firm Order Confirmation (FOC).
6	Unbundled dedicated interoffice transport facility is designed in TIRKS
7	Design Center ensures Assignments are received, completes RID, and authorizes the SDC to issue FOC.
8	Implementor contacts Central Office Resource Allocation Center (CORAC)
9	CORAC loads appropriate Central Office Technician(s) to perform work steps.
10	CO Technician(s) receive work request and complete work steps.

11	Implementor tests circuit
12	Implementor completes order and completes in WFA/C
13	Implementor contacts Co-Provider to advise order complete. CLEC accepts circuit.
14	Service orders completes and posts to begin billing.

Unbundled Dedicated Interoffice Transport Maintenance Process



Unbundled Dedicated Interoffice Transport Maintenance Task List

Assoc. Task #	Process
1 or 2	Trouble ticket submitted NOTE: If CLEC has a system interface they may submit report electronically. Otherwise CLEC calls AMSC to report trouble and steps 3 and 4 are required.
3	Process ticket received from CLEC
4	Trouble ticket created
5	Analyze trouble ticket, identify location, and assign to appropriate organization
6	If trouble is related to a major outage SAT follows major outage notification processes
7	If trouble location can not be identified by SAT the SAT hands off tkt to CORAC to dispatch technician
8	CORAC loads to appropriate Central Office Technician (COT)
9	Trouble is isolated
10	Trouble repaired
11	Trouble ticket updated
12	Contact SAT with ticket results
13	CLEC notified

14 and 15	CLEC accepts service and Trouble ticket closed

Arizona Corporation Commission
Docket No. T-00000B-97-0238
Qwest Corporation - KAS - 24
Exhibits of Karen A. Stewart
1999 Arizona Bench Test, July 21, 2000

1999 Bench Test of

Unbundled Elements

VERSION 1.0
JULY 21, 1999

SUBJECT:	**1999 BENCH TEST OF UNBUNDLED ELEMENTS**
STATES INVOLVED:	**ARIZONA & NEBRASKA**
AUTHOR:	
AUTHOR TELEPHONE NUMBER:	
ISSUE	**ONE** **7-21-99**

TABLE OF CONTENTS

1.0 GENERAL

1.01 In May and June of 1999, a bench test to support U S West's Section 271 filings was completed in Phoenix, Arizona and Omaha, Nebraska. The bench test was undertaken due to a lack of actual Co-Provider activity in the areas of unbundled switching and transport.

This test demonstrates and supports:

- U S West's advocacy on unbundled elements.
- That U S West processes and procedures allow for timely provisioning and maintenance of the following Section 271 Checklist items:
  - Number #5 (unbundled transport).
  - Number #6 (unbundled switching)
    - Including the feature Operator Services & Directory Assistance (OS/DA) call completion and branding
- Re-enforce results from the bench test conducted in a Lab-controlled test environment in June, 1998.

The purpose of this document is to provide test results and an assessment of our unbundled products, processes and systems.

1.02 Document issue number and date are found in the footer information of this document.

1.03 For information about this document, contact Jerry Shypulski at 612-798-2419.

2.0 DEFINITION AND SCOPE OF THE BENCH TEST

2.01 UNBUNDLED SWITCHING:

- Unbundled analog line ports were provisioned[1] and physically installed in the Phoenix, Arizona North East 5E switch.
- Unbundled analog line ports were provisioned[1] in the Omaha, Nebraska 84th Street DMS 100 switch.

See Figure one for diagram of Unbundled Element infrastructure.

The unbundled analog line ports required the establishment and deployment of a unique measured Line Class Code (LCC) with Shared Transport, blockage of 900 calls and Custom Routing to a dedicated trunk group for OS/DA traffic.

2.01.01 A dedicated combined OS/DA trunk group with branding was established between the Phoenix North East 5E switch and the Toll Operator Switch (TOPS) switch in the Phoenix Main central office.

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[1] Provisioned is defined as Service Order creation from a "simulated" Co-Provider's Access Service Request (ASR) or Local Service Request (LSR) and processed down through all the Operational Support Systems (OSS).

This was accomplished using the following combination of unbundled elements:

- ❖ Unbundled switching DS1 trunk port and unbundled trunk group/members
- ❖ Unbundled interoffice transport.

The unbundled elements were terminated on designated Interconnection Distributing Frames (ICDF).

See Figure two for diagram of OS/DA infrastructure.

2.02 UNBUNDLED TRANSPORT

Unbundled interoffice transport (UDIT) orders were provisioned and physically installed between the Phoenix, Arizona North East central office and the Phoenix, Arizona Main central office. These were at the service levels of OC-n, DS3 and DS1. Orders were also provisioned and installed to test Unbundled Customer Control Reconfiguration Element (UCCRE).

Unbundled UDIT orders were provisioned between the Omaha 84th St central office and the Omaha Main central office.

2.03 The unbundled analog line ports were wired to a telephone within the central office in lieu of an unbundled loop to allow test calls. The test calls involved both local originating and terminating and OS/DA traffic.

2.04 Test calls were conducted which generated local minutes of use which were captured by Automatic Message Accounting (AMA).

Orders were completed and a summary bill created.

2.05 Test was completed by June 18, 1999. The billing results out of Customer Records Information System (CRIS) and Integrated Access Billing System (IABS) were available on the next billing cycle.

2.06 After provisioning was complete, trouble reports were processed to validate U S West's process and procedures for Repair/Maintenance.

Arizona Corporation Commission
Docket No. T-00000B-97-0238
Qwest Corporation - KAS - 24
Exhibits of Karen A. Stewart
1999 Arizona Bench Test, July 21, 2000

Figure One
Section 271 Bench Test Diagram

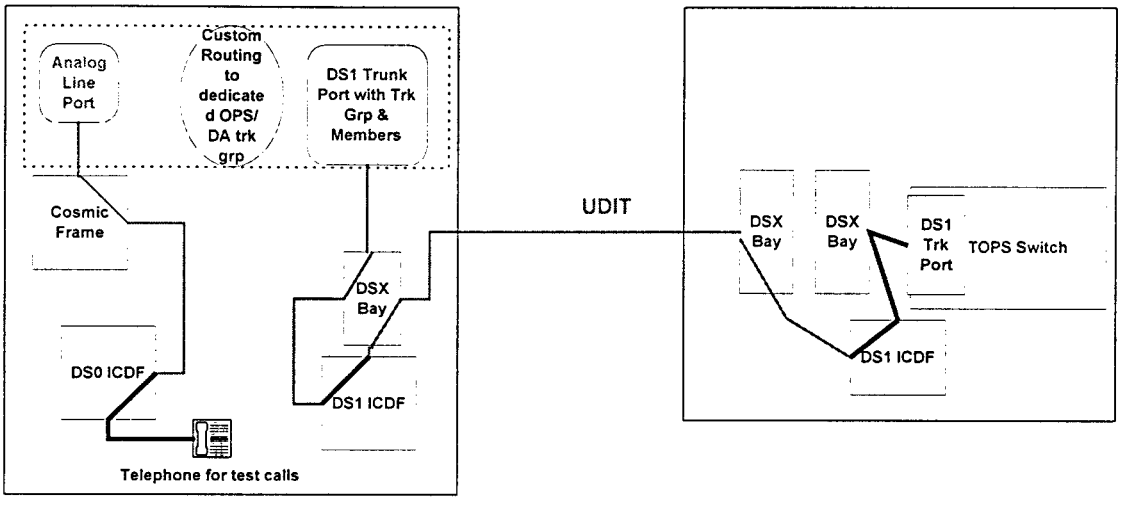
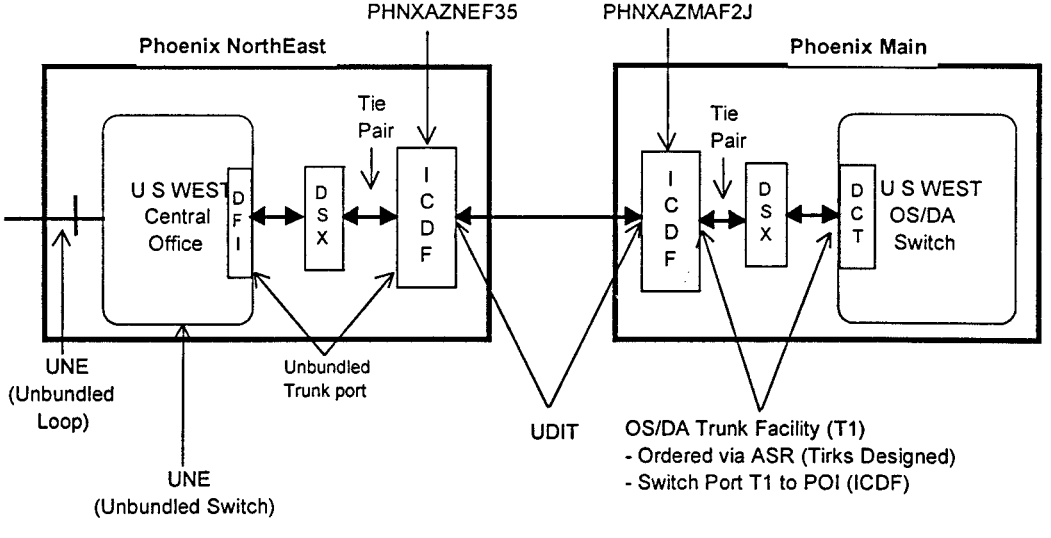


Figure Two

271 Bench Test - OS/DA Branding Network



4.0 Timeline

4.01 THE TIMELINE DISPLAYED IN APPENDIX A REFLECTS THE RECOMMENDED SEQUENTIAL FLOW OF ORDER ACTIVITY USED FOR BOTH THE ARIZONA AND NEBRASKA TRIALS. IT ALSO CONTAINS A TABLE TO REFLECT THE CORRESPONDING PROCESS FLOW TASKS (WHICH ARE FOUND IN CHAPTER 5) AND THE RESULTS FOR EACH OF THE SEQUENTIAL TASKS.

THE SEQUENCE USED WAS THE DOCUMENTED PROCESS TO BE FOLLOWED BY THE CO-PROVIDER. THE TEAM CONDUCTED A PRE-

PLANNING MEETING WITH THE "SIMULATED" CO-PROVIDER AND PROCESSED ALL STANDARD CUSTOMER AND CUSTOM ROUTING QUESTIONNAIRES.

4.02 The below table summarizes the individual unbundled element products. The Application (APP) date column indicates the date that the team started the Business Integrated Test (BIT). The Due Date and Completion columns reflects the comparison between order due date and actual test completion.

ARIZONA (BETA)

Product	APP/BIT Test Call	Due Date[2]	Completion
UDIT	4/14/99	4/21/99	4/21/99
UBSW Trk Port	4/16/99	4/29/99	4/29/99
UBSW Trk Grp	4/16/99	4/29/99	4/29/99
UBSW Line Port	4/26/99	5/3/99	5/3/99
Test Call Plan	5/5/99	5/5/99	5/5/99

Product	APP/BIT Test Call	Due Date[3]	Completed
CR established	4/12/99	4/13/99	4/13/99
CR deployed	4/14/99	4/30/99	4/30/99

ARIZONA (RE-TEST)

Product	APP/BIT Test Call	Due Date[4]	Completion
UDIT	6/2/99	6/7/99	6/7/99
UBSW Trk Port	6/2/99	6/7/99	6/7/99
UBSW Trk Grp	6/2/99	6/7/99	6/7/99
UBSW Line Port	6/2/99	6/4/99	6/4/99
Test Call Plan	6/7/99	6/18/99	6/18/99

NEBRASKA (RE-TEST)

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[2] Represents the standard provisioning intervals for these unbundled products.

[3] **Projected Custom Routing and Line Class Code establishment/deployment interval requirements were based on the bench test completion date and the due dates of the orders. Normal procedures include establishing an interval through the Individual Case Basis (ICB) process, which may extend the interval required for these items. The trial LCC was deployed once and used for all subsequent testing.**

[4] Shortened intervals were used for the finalized tests to ensure the bench test results would be available for the pending Arizona and Nebraska Section 271 proceedings.

Product	APP/BIT Test Call	Due Date	Completion
UDIT	6/14/99	6/18/99	6/18/99
UBSW Trk Port	6/14/99	6/18/99	6/18/99
UBSW Trk Grp	6/14/99	6/18/99	6/18/99
UBSW Line Port	6/14/99	6/18/99	6/18/99

5.0 BENCH TEST BUSINESS INTEGRATION TEST (BIT) SUMMARY:

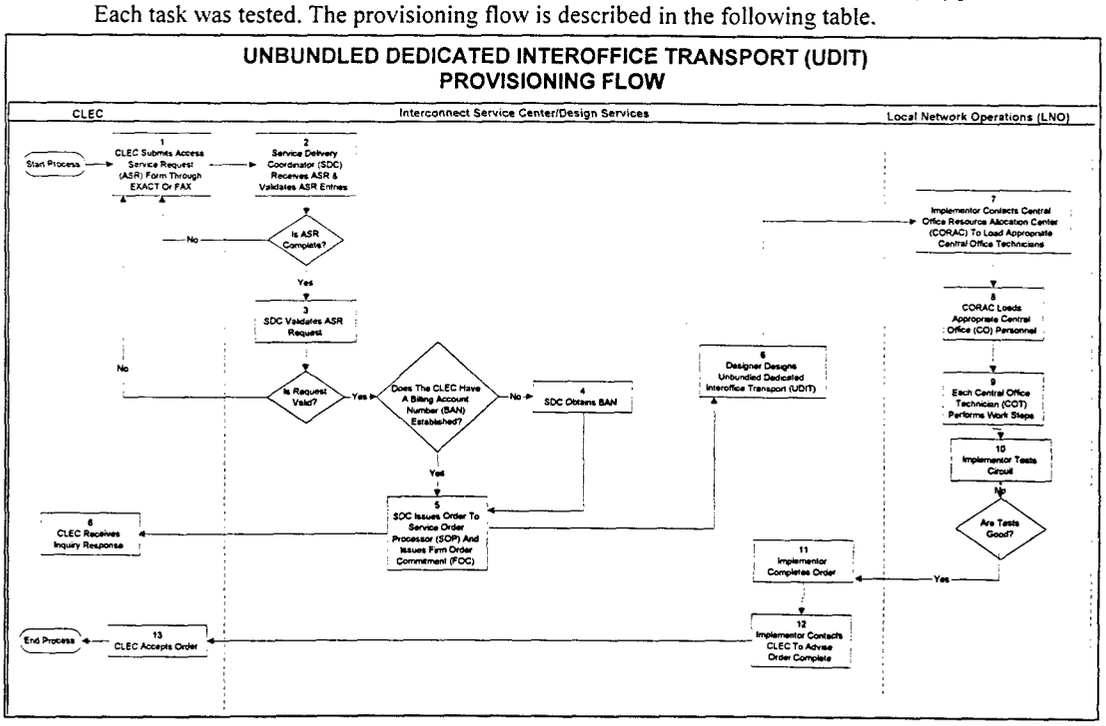
5.01 Testing took place in the Central and Eastern Region OSS Production environment. Complete detailed test scenarios, results and associated verifying OSS system screen prints can be found in the Business Integration Test (BIT) Bench Test binder.

Sub-chapter numbering will corresponding to the individual tasks contained within the documented unbundled element process flows.

Service Order Processor (SOP) is represented specifically as:
Central Region- Service Order Processing and Distribution (SOPAD)
Eastern Region- Service Order Local Administration and Request (SOLAR)

5.02 UNBUNDLED DEDICATED INTEROFFICE TRANSPORT (UDIT)

U S West's process and procedures for the provisioning of UDIT contains thirteen (13) process tasks. Each task was tested. The provisioning flow is described in the following table.



5.02.1 **Task 1: Co-Provider submits Access Service Request (ASR) form submitted through EXACT or FAX.**
UDIT order processing was initiated with a service order request received in EXACT via the Access Service Request (ASR) process. The orders passed the all system edit checks and proceeded to IABS and into the Service Order Processor (SOPAD for Central Region and SOLAR for Eastern Region).

5.02.2 **Task 2: Service Delivery Coordinator (SDC) receives ASR & validates ASR entries.**
The only process issue encountered was the configuration of the Access Customer Termination Location (ACTL) code. The ACTL is a 11 character Common Language Location Identification (CLLI) code. The Beta UDIT order was processed with an 11 character ACTL which included a "F" in the 9th character. The "F" specifies the ICDF frame where the UDIT will terminate. The problem occurs when Trunks Integrated Record Keeping System (TIRKS) takes the ACTL and automatically looks for a planning design to use in the design process. TIRKS is 'hard-coded' to default to an 8 character CLLI when it encounters a "F" in that specified 9th position. The 8 character-based planning design only processed the design to the USW frames and not all the way to the ICDF frames where the UDIT would be terminated. The result is the design required a manual intervention to complete.

The on-going solution is to designate unique ACTLs of 11 characters without the "F" character for any Co-Provider where their only "presence" will be ICDF Collocation. This already occurs where the Co-Provider has a Physical, Virtual or Cageless Collocations.

Method and Procedures were updated and subsequent testing using an acceptable "simulated" ACTL proved successful.

5.02.3 **Task 3: SDC validates ASR request.**
The ASR was validated and all required entries were present.

5.02.4 **Task 4: SDC obtains Billing Account Number (BAN)**
We obtained 303L04 & 303I08 for use as our BAN number for our "simulated" Co-Provider account.

5.02.5 **Task 5: SDC issues order to Service Order Processor (SOP) and issues Firm Order Commitment (FOC).**
The Beta UDIT order encountered an error for missing Class of Service in SOPAD. The Class of Service was missing due to the fact this was the first UDIT order provisioned in the central region. The new UDIT Class of Service of "UTL1N" was added to the appropriate SOPAD table. This order was successfully redistributed and went to Service Order Administration Control (SOAC). Subsequent UDIT orders processed error-free.

In SOAC, a Request for Manual Assistance (RMA) was received on the Beta UDIT order. This was due to a missing Universal Service Order Code (USOC). The new UDIT USOC "TUGSX" was added to the SOAC table. The USOC "TUGSX" information was only missing in the Western and Central Region where no actual UDIT orders had been previously processed. In the Eastern Region the USOC was contained in the appropriate tables. All subsequent tests were successful.

Before the order was able to proceed successfully to TIRKS, another intervention was needed to change the setup of the new UDIT class of service, in the Central Region, from "non-access service/CRIS billed" to "access service/IABS billed". The order then proceeded to TIRKS where SOAC flow-through messages 1, 2, and 3 were processed successfully.

5.02.6 **Task 6: Designer designs UDIT and sends Design Layout Record (DLR) to Co-Provider.**

The orders processed successfully through TIRKS to Work Flow Administration (WFA). The appropriate output documents were:

- Design Layout Records (DLRs) which was sent to the "simulated" Co-Provider.
- Work Order Record Document (WORD) document which was issued to the Central Office and Design Center implementation personnel.

5.02.7 **Task 7: Implementor contacts Central Office Resource Allocation Center (CORAC) to load appropriate central office technicians.**
This task was successfully completed and error-free.

5.02.8 **Task 8: CORAC loads appropriate Central Office Personnel**
This task was successfully completed and error-free.

5.02.9 **Task 9: Central Office Technician (COT) performs work steps**
This task was successfully completed and error-free.

5.02.10 **Task 10: Implementor tests circuit**
This task was successfully completed and error-free.

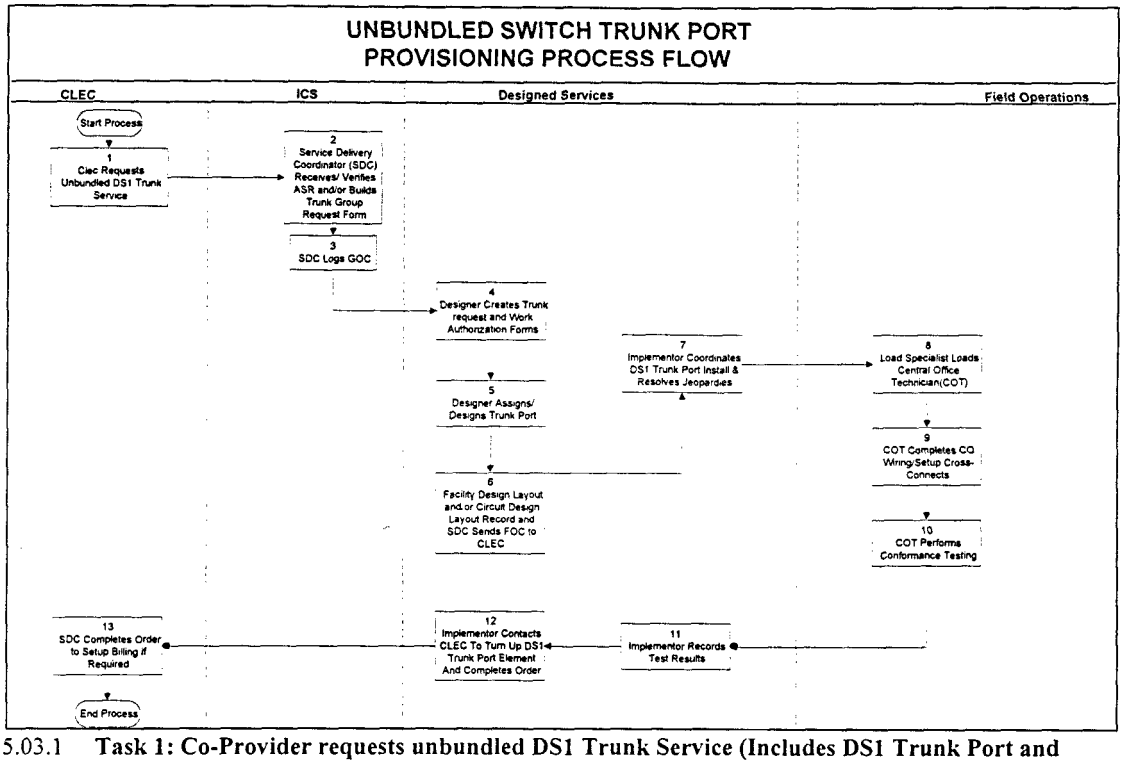
5.02.11 **Task 11: Order completed**
This task was successfully completed and error-free.

5.02.12 **Task 12: Co-Provider notified**
This task was successfully completed and error-free. The "simulated" Co-Provider accepted service.

5.02.13 **Task 13: Billing established**
IABS billing results indicated non-recurring and recurring billing information. Also the customer bill reflected the individual unbundled elements ordered and the rates elements entered for the test.

5.03 UNBUNDLED SWITCHING MESSAGE TRUNK PORT AND MESSAGE TRUNK GROUP AND MEMBERS

U S West process and procedures for the provisioning of Unbundled Switch Trunk Port contains thirteen (13) process tasks. Each task was tested. The provisioning flow is described in the following table.



5.03.1 **Task 1: Co-Provider requests unbundled DS1 Trunk Service (Includes DS1 Trunk Port and Associated Trunk Group/ Members.**

The Unbundled Switch Trunk Port and Group/Member orders were released through EXACT via ASR. There were some typographic errors, which were caught by EXACT, on the Beta orders. This allowed for immediate correction and the orders re-released. Subsequent Trunk Port and Group/Member orders passed all formatting issues.

5.03.2 **Task 2: Service Delivery Coordinator (SDC) receives/verifies ASR and/or builds trunk group request form.**

This task was successfully completed and the trunk request form created.

5.03.3 **Task 3: SDC logs into TIRKS Generic Order Control (GOC).**

A process issue was encountered on the Beta orders when a USOC "TMECS" was present on the order and the Loop Facilities Assignment and Control Center (LFACS) system incorrectly assigned a local loop. "TMECS" is a line-assignable USOC that tells LFACS to assign a four-wire loop. TMECS should not have been on the orders and the Field Identifier (FID) "CTG" was substituted in its place. A check was made of the methods and the use of FID "CTG" was already documented.

The same issue from paragraph 5.02.2 around the ACTL information on UDIT, also surfaced on the Beta orders. The team used the "simulated" ACTL with an H in the 9th character and resolved the issue. There was an SOAC error with Message 1 on the Trunk Port orders (needed an allocation group

assigned which occurs whenever a new ACTL is used for the first time). The Message 1 error was fixed and the order continued processing.

During the Trunk Group/Member Beta order release, it was determined that the traffic modifier in the circuit ID was not correct. The traffic modifier should be YY. The industry standard of YY traffic modifier identifies the trunk group as an unbundled element. Also the YY needed to be added in the EXACT tables because these were the first unbundled trunk group/member orders processed in "production" Central Region.

5.03.4 **Task 4: Designer creates trunk request and Work Authorization forms.**
The next orders to be processed were for the associated Unbundled Switch Trunk Group/Members. A key point to the overall order process is the timing for releasing these trunk group/member orders. The order will error out if it starts to go through the OSS systems before the trunk port order is in a pending "P"status (meaning design-processed through TIRKS).

5.03.5 **Task 5: Designer assigns/designs trunk port and trunk group/members.**
The Trunk Group/Member orders were released and were successfully loaded into TIRKS and appeared on the TIRKS list for processing. The orders continued, successfully, through TIRKS, a DLR was created and processed into WFA.

An issue arose concerning which internal design group would handle the request within the Des Moines Design Center. The Beta test orders went to two different groups, the trunk port orders went to the Unbundled Network Element design team in Des Moines and the trunk group/member orders went to the Feature Group/ LIS design team. After discussion with the appropriate design groups, it was decided that there is a functional synergy to have both orders designed in the same group.

Subsequent testing involved the single design group and processed smoothly through the Des Moines Design.

5.03.6 **Task 6: Facility Design Layout and/or Circuit Design Layout record is created and SDC sends FOC to Co-Provider.**
This task was successfully completed and error-free.

5.03.7 **Task 7: Implementor coordinates DS1 trunk port and Trunk group installation and resolves jeopardies.**
This task was successfully completed and error-free.

5.03.8 **Task 8: Load Specialist loads Central Office technician (COT) with work steps**
This task was successfully completed and error-free.

5.03.9 **Task 9: COT completes CO wiring cross-connects**
This task was successfully completed and error-free.

5.03.10 **Task 10: COT performs conformance testing**
This task was successfully completed and error-free.

5.03.11 **Task 11: Implementor records test results and completes order.**
This task was successfully completed and error-free.

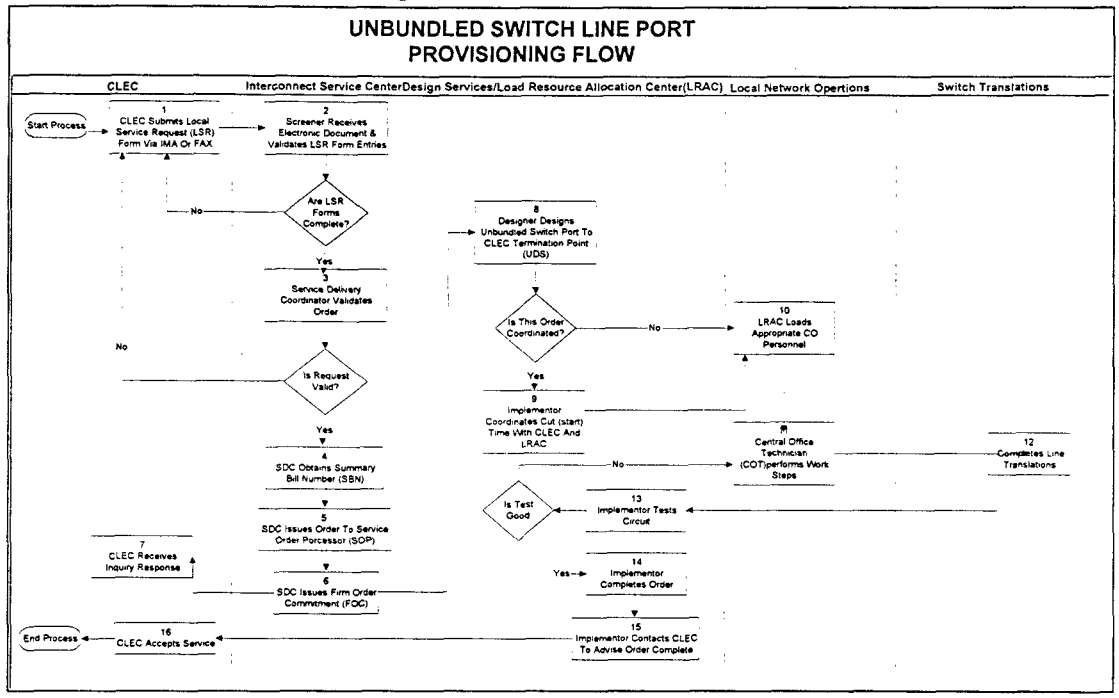
5.03.12 **Task 12: Co-provider notified**
This task was successfully completed and error-free.

5.03.13 **Task 13: Billing established**

IABS billing results indicated non-recurring and recurring billing information. Also the customer bill reflected the individual unbundled elements ordered and the rates elements entered for the test.

5.04 UNBUNDLED SWITCH ANALOG LINE PORT

U S West's process and procedures for the provisioning of Unbundled Line Port contains sixteen (16) process tasks. Each task was tested. The provisioning flow is described in the following table.



5.04.1 **Task 1: Co-Provider submits Local Service Request (LSR) form submitted via IMA or FAX.** Unbundled Switch Analog Line Port orders were processed in CRIS via the Local Service Request (LSR) and proceeded in SOPAD and SOLAR successfully.

5.04.2 **Task 2: Screener receives electronic document & validates LSR form entries.** This task was successfully completed and error-free.

5.04.3 **Task 3: Service Delivery Coorinator (SDC) validates order.** This task was successfully completed and error-free.

5.04.4 **Task 4: SDC obtains Summary Billing Number.** The summary billing number was the telephone numbers of our analog line ports.

5.04.5 **Task 5: SDC issues order to Service Order Processor (SOP).** This task was successfully completed and the order sent to SOPAD (central region) and SOLAR (eastern region).

5.04.6 **Task 6: SDC issues Firm Order Commitment (FOC)** This task was successfully completed and error-free.

5.04.7 **Task 7: Co-Provider receives inquiry response.** This task was successfully completed and error-free.

5.04.8 **Task 8: Designer designs unbundled switch port to Co-Provider termination point.**
The order processed successfully through LFACS, through the SOAC-TIRKS Interface and into TIRKS.

The only issue uncovered was, during the Nebraska test, the DMS-100 switch used required the SOAC USOC table field CONDUCTOR changed from 0 to 2. This allowed Office Equipment (OE) to be assigned. All tables within the three regions were updated for subsequent processing.

In the Order Automation process, the Beta Unbundled Switch Analog Line Port erred out because of a system issue around the tie pair inventory. A tie pair was located and assigned and the order was re-sent through the Order Automation process. The Order Automation process ended successfully. A DLR was produced and the order was distributed to the WFA Systems. Subsequent Analog Line Port orders processed were successful.

5.04.9 **Task 9: Implementor coordinates cut (start) time with Co-Provider and Local Resource Allocation Center (LRAC).**
This task was successfully completed and error-free.

5.04.10 **Task 10: LRAC loads Central Office work steps**
This task was successfully completed and error-free.

5.04.11 **Task 11: Central Office technician (COT) performs work**
This task was successfully completed and error-free.

5.04.12 **Task 12: COT completes Line Translations**
This task was successfully completed and error-free.

5.04.13 **Task 13: Circuit is tested**
This task was successfully completed and error-free.

5.04.14 **Task 14: Order completed**
This task was successfully completed and error-free.

5.04.15 **Task 15: Co-Provider notified**
This task was successfully completed and error-free.

5.04.16 **Task 16: Billing established**
CRIS billing results indicated non-recurring and recurring billing information. Also the customer bill reflected the individual unbundled elements ordered and the rates elements entered for the test.

The test successfully captured Minutes of Use (MOUs) in support of Shared Transport. However, there were system limitations preventing a billing separation of Intra-switch and Inter-switch MOUs. This will be available when a Change Request (CR) in CRIS is implemented in August of 1999.

5.05 CUSTOM ROUTING:

5.05.1 Pre-Planning questionnaires were filled out for the Custom Routing work required in both the 5E switch and the TOPS (DMS) switch. This work mirrored what would be required of the Co-Provider, up-front, which specifies the particular branding scenarios.

5.05.2 These questionnaires were sent to the appropriate internal work groups for the Translation work to begin. A request was made for an unique Line Class Code (LCC) to be established to direct OS/DA routing, Upon receipt of this new LCC, it was passed to the "simulated" Co-Provider for upcoming Local Service Requests (LSRs).

5.06 UNBUNDLED CUSTOMER CONTROL RECONFIGURATION ELEMENT (UCCRE):

Test orders for UCCRE were submitted successfully through the UDIT process flows with the following additional procedures:

-UCCRE requires a Co-Provider fill out a questionnaire specifying which network reconfiguration requirements are needed. This questionnaire asks whether a Co-Provider requires either Attendant (USW access) or Dial-Up (Co-Provider access) controller access options and was successfully processed by the team's "simulated" Co-Provider and sent to the appropriate internal work group.

-UCCRE process requires terminating one end of an UDIT in a U S West Digital Access Control System (DACS). Our test included successfully installing multiple UDITs in the DACS with designated ports that were programmed into the remote access system "Flex-Com".

-Remote reconfigurations of the multiple UDITs, through "Flex-Com", were successfully completed to test various port configurations. These were done both as Attendant option and "simulated" Co-Provider Dial-Up option.

6.0 TEST CALL PLAN

6.01 The test began with Dial Tone being verified and Automatic Number Identification (ANI) performed to validate installation of the Analog Line Port Translations. Terminating calls also were made to the telephone numbers of the unbundled line port to validate ability to call the port.

UNBUNDLED ANALOG LINE PORT (SAMPLE TEST CALL PLAN)
TELEPHONE # 602-956-9255
PHOENIX NORTH EAST CENTRAL OFFICE, PHOENIX, ARIZONA
SWITCH=5E
Custom Routing Unique Line Class Code=XYZ

Call Type Expectations

CALL TYPE	NP ROUTE TYPE	1+ ROUTE TYPE	0+ ROUTE TYPE
LOCAL 7DIG (602-955-1955)	LOC_RTE	1+ACDE	0+ACDE
LOCAL HNPA	LOC_RTE	1+ACDE	CLEC_OPR
LOCAL FNPA	LOC_RTE	1+ACDE	CLEC_OPR
ZERO MINUS	CLEC_OPR		
411	CLEC_OPR	CLEC_OPR	0+ACDE
555 7DIGIT	CLEC_OPR	1+ACDE	0+ACDE
911	911_RTE	911_RTE	911_RTE

(ACND= Access code not dialed recording ACDE= Access code dial in error recording)

(Call Type Results in **Bold Green**)

6.02 Mechanized front end branding of "simulated" Co-Provider XYZ was received for both Operator Assistance and Directory Assistance.

The operator's terminal screen was not initially displaying the ANI of our Analog Line Port but rather a default NPA-NNX. The problem was found to be an error in the TOPS BC (Billing Code) table. Our Line Port telephone number was added and the problem was resolved.

The operator's terminal screen also was not displaying the Co-Provider branding designation of XYZ. This problem was resolved by adding XYZ as Service Provider Identification (SPID) to the switch translations at the TOPS switch.

Back-end mechanized branding was received for Toll Operator Assistance.

The back-end mechanized branding for Direct Assistance was received as a generic brand and not our XYZ brand. This was due to the current IVS equipment limitations in the Phoenix TOPS switch. This limitation allows only two (2) mechanized branding; a generic and U S West specific. A retrofit to ISN

NAV equipment to TOPS switches across the region is on-going and should be completed by 10-25-99. This retrofit will allow multiple branding.

Manual back end Co-Provider branding for both OS and DA were received whenever the operator was involved in a charge-type calls (ie; Credit Card).

6.03 Upon completion of the above test calls, the LCC was changed on our analog line port to a U S West customer and the same calls made to test consistency and parity.

****Change LCC on 602-956-9255 from XYZ to AW1****

CALL TYPE	NP ROUTE TYPE	1+ ROUTE TYPE	O+ ROUTE TYPE
LOCAL 7DIG	**LOC_RTE**	**1+ACDE**	**0+ACDE**
LOCAL HNPA	**LOC_RTE**	**1+ACDE**	**BOC_OPR**
LOCAL FNPA	**LOC_RTE**	**1+ACDE**	**BOC_OPR**
ZERO MINUS	**BOC_OPR**		
411	**BOC_OPR**	**BOC_OPR**	**0+ACDE**
555 7DIGIT	**BOC_OPR**	**1+ACDE**	**0+ACDE**
911	**911_RTE**	**911_RTE**	**911_RTE**

(Call Type Results in **Bold Green**)

6.03.01 All call type routing was received as expected, including routing calls to USW-branded Operator Services and Directory Assistance.

6.04 The Analog Line Port and its LCC was changed to one existing in the Phoenix North East to verify blockage of 900, 960 and 976 calls. The test was performed and the call results were blocked with a VACANT call announcement.

******Change LCC on 602-956-9255 from IMB to AM4******
to verify 900 Blocking

CALL TYPE	NP ROUTE TYPE	1+ ROUTE TYPE	O+ ROUTE TYPE
LOCAL 7DIG	LOC_RTE	1+ACDE	0+ACDE
900	**VACANT**	**VACANT**	**VACANT**
960	**VACANT**	**VACANT**	**VACANT**
976	**VACANT**	**VACANT**	**VACANT**
ZERO MINUS	BOC_OPR		
411	BOC_OPR	BOC_OPR	0+ACDE

(Call Type Results in **Bold Green**)

6.05 Figure Five displays the captured Automatic Message Accounting (AMA) data reflecting the actual minutes of use incurred by the unbundled line port while making local calls. The Shared Transport MOUs would represent the billed entity for Shared Transport.

Figure Five
Line Class Code XYZ

Call #1

```
   S4AD-215744628 99-05-11 08:43:31 078678 AMA PHNXAZNEDC0
M  REPT AMATRC AMA RECORD ON REQUESTED DIRECTORY NUMBER

  ORIGINATING SM/PORT = 41/H'61B        TERMINATING SM/PORT = 2/H'7BA

--------------------------------------------------------------------------
00 29 00 00 aa 00 50 2c 00 1c 90 51 1c 0c 00 0c 60 2c 95 69 25 5c 1c 00 60
2c 95 77 40 3c 08 42 05 4c 00 00 01 24 1c 00 2c
--------------------------------------------------------------------------
```

Field Name	Char.	Value	Meaning
RECORD DESCRIPTOR	1-8	00290000	RDW
RECORD HEADER	1-2	aa	No Fill Char Expected in This Record
STRUCTURE CODE	1-5	00502	Structure Code
CALL TYPE	1-3	001	Detailed Message Rate,Timed, With MBI
DATE	1-5	90511	05/11/*9
CLD PARTY OFF-HK IND	1	0	Called party off-hook detected
SERVICE FEATURE	1-3	000	Other (All Sensors)
ORIGINATING NPA	1-3	602	NPA
ORIGINATING NUMBER	1-3	956	NXX
	4-7	9255	Four Digit Number
OVERSEAS INDICATOR	1	1	Not Overseas Call (NPA not dialed)
TERMINATING NPA	1-2	00	Overseas Expander Position
	3-5	602	NPA
TERMINATING NUMBER	1-3	957	NXX
	4-7	7403	Four Digit Number
CONNECT/ANSWER TIME	1-7	0842054	08:42:05.4
ELAPSED TIME	1-9	000001241	00001:24.1
WATS BAND or MBI	1-3	002	WATS Band Or Type Indicator

```
  End of Record----
```

Intra-Switch

Call #2

S4AD-215744628 99-05-11 08:46:09 078785 AMA PHNXAZNEDC0
M REPT AMATRC AMA RECORD ON REQUESTED DIRECTORY NUMBER

ORIGINATING SM/PORT = 41/H'61B TERMINATING SM/PORT = 63/H'675

```
00 46 00 00 aa 40 50 2c 00 1c 90 51 1c 0c 00 0c 60 2c 95 69 25 5c 1c 00 60
2c 37 90 31 4c 08 44 05 6c 00 00 02 02 5c 00 2c 72 0c 00 2c ff ff ff ff ff
ff ff ff ff ff ff ff ff ff ff ff ff ff 10 10 00 0c 00 0c
```

Field Name	Char.	Value	Meaning
RECORD DESCRIPTOR	1-8	00460000	RDW
RECORD HEADER	1-2	aa	No Fill Char Expected in This Record
STRUCTURE CODE	1-5	40502	Structure Code
CALL TYPE	1-3	001	Detailed Message Rate,Timed, With MBI
DATE	1-5	90511	05/11/*9
CLD PARTY OFF-HK IND	1	0	Called party off-hook detected
SERVICE FEATURE	1-3	000	Other (All Sensors)
ORIGINATING NPA	1-3	602	NPA
ORIGINATING NUMBER	1-3	956	NXX
	4-7	9255	Four Digit Number
OVERSEAS INDICATOR	1	1	Not Overseas Call (NPA not dialed)
TERMINATING NPA	1-2	00	Overseas Expander Position
	3-5	602	NPA
TERMINATING NUMBER	1-3	379	NXX
	4-7	0314	Four Digit Number
CONNECT/ANSWER TIME	1-7	0844056	08:44:05.6
ELAPSED TIME	1-9	000002025	00002:02.5
WATS BAND or MBI	1-3	002	WATS Band Or Type Indicator
EBAF MODULE CODE	1-3	720	Local Number Portability Mo
PARTY IDENTIFIER	1-3	002	Terminating Party Data

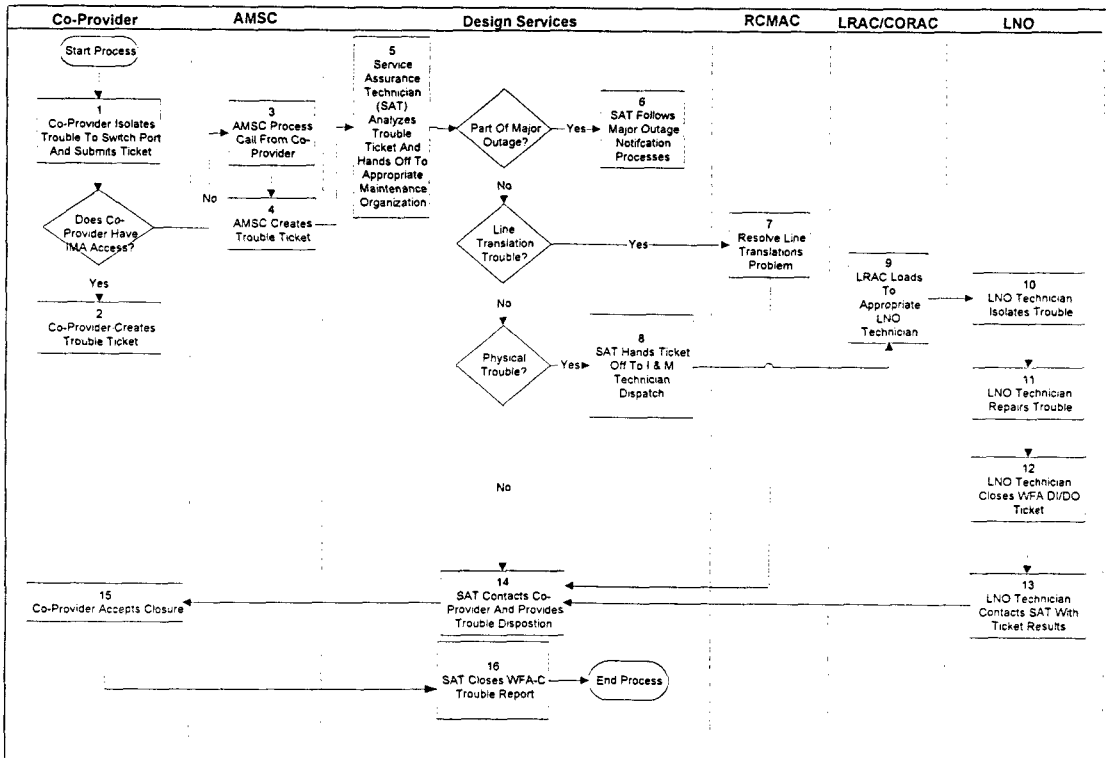
Shared Transp

7.0 REPAIR/MAINTENANCE

7.01 UNBUNDLED SWITCHING

U S West's process and procedures for the maintenance and repair of Unbundled Switching contains sixteen (16) process tasks. Each task was tested. The provisioning flow is described in the following table.

UNBUNDLED SWITCH MAINTENANCE FLOW



7.01.1 Task 1: Co-Provider isolates trouble to Switch Port and submits ticket.

The maintenance test involved reporting a trouble condition on one of the installed unbundled switch line ports from the provisioning section of the bench test.

The "simulated" Co-Provider submitted trouble tickets via:

-Interconnect Mediated Access (IMA) mechanized entry
-Manual telephone call to the Account Maintenance Service Center (AMSC)

The process identifies certain tasks based on whether the Co-Provider will send their trouble reports either via IMA or a direct call into the AMSC.

7.01.2 Task 2: Co-Provider creates trouble ticket.

The IMA mechanized process involved two scenarios where the "simulated" Co-Provider reported the unbundled line port as both a base telephone number format (602-956-9255) and as a complete designed services circuit identification format (19 SNNU 602-956-9255). The process differed slightly depending on the reporting format.

When the " simulated" Co-Provider reported the complete circuit identification and clicked on the "Design Ticket" button, IMA returned a designed services trouble ticket format and after completing the entries, IMA successfully sent the ticket automatically to WFA-C.

When the " simulated" Co-Provider reported an incomplete circuit identification with just the telephone number, IMA assumed it was a POTS trouble and automatically entered a non-design trouble ticket in LMOS. A flag was received in the AMSC and the trouble ticket dropped out to be manually screened. In the AMSC, it was found that the circuit was not POTS and did not reside in LMOS but as a Designed Service residing in WFA-C. The screener cancelled the LMOS ticket and manually entered a trouble ticket into WFA-C. The screener called the "simulated" Co-Provider with the new WFA-C trouble ticket number.

7.01.3 Task 3: AMSC process call from Co-Provider.

This task is required when the Co-Provider directly calls the AMSC to report trouble.

The call was successfully answered, within 1 to 3 rings each time, by a U S West Repair Service Attendant (RSA).

7.01.4 Task 4: AMSC creates trouble ticket.

The RSA took the trouble information from the "simulated" Co-Provider. This information included:

-Circuit Identification (CKT ID)
-Reported trouble condition
-Co-Provider name and call-back number
-Access hours
-Any special requirements (ie; test only between certain hours, etc)

The RSA successfully found the CKT ID in Work Flow Administration/ Control (WFA-C) and generated a trouble ticket with the "simulated" Co-Provider on the line.

The RSA provided the trouble ticket number to the Co-Provider.

7.01.5 Task 5: Service Assurance Technician (SAT) analyzes trouble ticket and hand-off to appropriate maintenance organization.

The trouble ticket appeared on the appropriate WFA-C work lists and was "picked up" by the Des Moines Designed Service Center and was handed off to the appropriate Central Office work lists in Work Flow Administration/Dispatch In (WFA-DI).

7.01.6 Task 6: SAT follows major outage notification processes.

Our test trouble reports did not involve any major outage.

7.01.7 Task 7: Resolve Line Translation problem.

Based upon the analysis of the trouble condition, the test simulated a hand-off to the Central Office work groups via their WFA-DI work lists. The step was successfully completed but the actual technician dispatch was not generated.

7.01.8 Task 8: SAT hands ticket off to I&M technician dispatch.

No outside dispatch is required for unbundled switching port trouble resolution.

7.01.9 Task 9: CORAC loads appropriate LNO technician.

Based upon the analysis of the trouble condition, the test simulated a hand-off to the Central Office work groups via their WFA/DI work lists. The step was successfully completed but the actual technician dispatch was not generated.

7.01.10 Task 10: LNO technician isolates trouble.

Based upon the analysis of the trouble condition, the test simulated a "pick-up" of the ticket by the Central Office work groups. The step was successfully completed but the actual technician dispatch was not generated.

7.01.11 Task 11: LNO technician repairs trouble.

Based upon the analysis of the trouble condition, the test simulated a trouble resolution by the Central Office work groups. The step was successfully completed but the actual technician dispatch was not generated.

7.01.12 Task 12: LNO technician closes their ticket.

Based upon the analysis of the trouble condition, the test simulated a ticket closure by the Central Office work groups. The step was successfully completed but the actual technician dispatch was not generated.

7.01.13 Task 13: LNO technician contacts SAT with ticket results.

Based upon the analysis of the trouble condition, the test simulated a call back to the SAT. The step was successfully completed but the actual technician dispatch was not generated.

7.01.14 Task 14: SAT contacts Co-Provider and provides trouble disposition.

The SAT contacted the "simulated" Co-Provider with successful trouble resolution.

7.01.15 Task 15: Co-Provider accepts closure.

Co-Provider accepted ticket resolution.

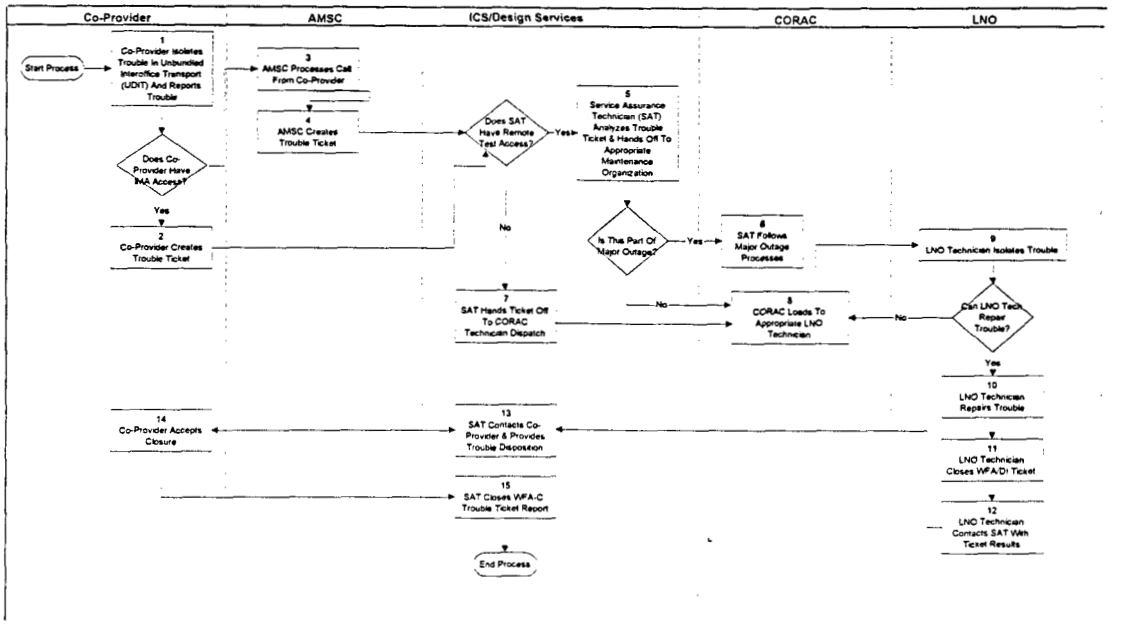
7.01.16 Task 16: SAT closes WFA-C trouble process.

SAT closed the trouble ticket in WFA-C upon Co-Provider acceptance.

7.02 UNBUNDLED TRANSPORT

U S West's process and procedures for the maintenance and repair of Unbundled Transport contains fifteen (15) process tasks. Each task was tested. The provisioning flow is described in the following table.

UNBUNDLED DEDICATED INTEROFFICE TRANSPORT (UDIT)
MAINTENANCE FLOW



7.02.1 Task 1: Co-Provider isolates trouble in unbundled interoffice transport (UDIT) and reports trouble.

The maintenance test involved reporting a trouble condition on one of the installed UDITs from the provisioning section of the bench test.

The "simulated" Co-Provider submitted trouble tickets via:
-IMA mechanized entry
-Manual telephone call to the Account Maintenance Service Center (AMSC)

The process indicates tasks based on whether the Co-Provider will send their trouble reports via IMA or a direct call into the AMSC.

7.02.2 Task 2: Co-Provider creates trouble ticket.

The IMA mechanized process involved the "simulated" Co-Provider reporting the UDIT as a complete designed services circuit identification format (14 HCFU 979430 MS).

When the Co-Provider reported the complete circuit identification and clicked on the "Design Ticket" button, IMA returned a design services trouble ticket format and after all entries were completed, IMA successfully sent the ticket automatically to WFA-C.

7.02.3 Task 3: AMSC process call from Co-Provider.

This task is required when the Co-Provider uses a manual telephone call to report trouble.

The call was successfully answered, within 1 to 3 rings each time, by a U S West Repair Service Attendant (RSA).

7.02.4 Task 4: AMSC creates trouble ticket.

The RSA took the trouble information from the "simulated" Co-Provider. This information included:
-Circuit Identification (CKT ID)
-Reported trouble condition
-Co-Provider name and call-back number
-Access hours
-Any special requirements (ie; test only between certain hours, etc)

The RSA successfully found the CKT ID in Work Flow Administration/ Control (WFA-C) and generated a trouble ticket with the "simulated" Co-Provider on the line.

The RSA provided the trouble ticket number to the Co-Provider.

7.02.5 Task 5: Service Assurance Technician (SAT) analyzes trouble ticket and hand-off to appropriate maintenance organization.

The trouble ticket appeared on the appropriate WFA-C work lists and was "picked up" by the Des Moines Designed Service Center and was handed off to the appropriate Central Office work lists in Work Flow Administration/ Dispatch In (WFA-DI).

7.02.6 Task 6: SAT follows major outage notification processes.

Our test trouble reports did not involve any major outage.

7.02.7 Task 7: SAT hands ticket off to CORAC technician dispatch.

Based upon the analysis of the trouble condition, the test simulated a hand-off to the CORAC work group via the WFA-DI work lists. The step was successfully completed but the actual technician dispatch was not generated.

7.02.8 Task 8: CORAC loads appropriate LNO technician.

Based upon the analysis of the trouble condition, the test simulated a hand-off to the Central Office work groups via their WFA-DI work lists. The step was successfully completed but the actual technician dispatch was not generated.

7.02.9 Task 9: LNO technician isolates trouble.

Based upon the analysis of the trouble condition, the test simulated a "pick-up" of the ticket by the Central Office work groups via their WFA/DI work lists. The step was successfully completed but the actual technician dispatch was not generated.

7.02.10 Task 10: LNO technician repairs trouble.

Based upon the analysis of the trouble condition, the test simulated a trouble resolution by the Central Office work groups. The step was successfully completed but the actual technician dispatch was not generated.

7.02.11 Task 11: LNO technician closes WFA/Dispatch In (WFA/DI) ticket.

Based upon the analysis of the trouble condition, the test simulated a ticket closure by the Central Office work groups. The step was successfully completed but the actual technician dispatch was not generated.

7.02.12 Task 12: LNO technician contacts SAT with ticket results.

Based upon the analysis of the trouble condition, the test simulated a call back to the SAT. The step was successfully completed but the actual technician dispatch was not generated.

7.02.13 Task 13: SAT contacts Co-Provider and provides trouble disposition.

The SAT contacted the "simulated" Co-Provider with successful trouble resolution.

7.02.14 Task 14: Co-Provider accepts closure.

Co-Provider accepted ticket resolution.

7.02.15 Task 15: SAT closes Work Flow Administration-Control (WFA-C) trouble ticket.

SAT closed the trouble ticket in WFA-C upon Co-Provider acceptance.

8.0 SUMMARY:

8.01 The ground rule of the Bench Test plan was to follow the current documented processes (see chapter 5 Summary of BIT test results) that support Unbundled Elements and Custom Routing. Within the process, whenever any functions were required of the Co-Provider, it was handled by the team's designated "simulated" Co-Provider.

8.02 The bench test format consisted of provisioning a series of Beta orders. The team identified any issues and made the necessary process and/or system changes. Then re-tested the process through an additional series of orders. This re-testing proved the validity of any process and/or system changes.

The issues encountered on the Beta orders were of the type to be anticipated and not unusual due to the fact this was the first time these particular unbundled products were processed in Arizona and Nebraska. All issues were resolved and subsequent re-testing was processed successfully.

8.03 All input/outputs documents identified in the UDIT, Unbundled Trunk Ports and Trunk group/members processes were issued. The orders were processed through U S West's Designed Services flow.

8.04 The ACTL code, an 11 character Common Language Location Identification (CLLI), will be required for ICDF Collocation for design flow-through to occur. This is similar to the current ACTL procedure for Physical, Virtual and Cageless Collocation,. The Methods &Procedures were updated to include this requirement and orders re-tested to verify completion.

8.05 UCCRE was successfully tested to include terminating multiple UDIT orders on a DACS and using "Flex-Com" to provide remote reconfigurations, testing both Attendant (USW control access) and Dial-Up (Co-Provider control access) options.

8.06 Orders were wired and tested per the Combination Point of Interconnection (POI) process instructions, which assumes the Co-Provider is responsible to perform the cross-connect functions. In the test, USW technicians "simulated" Co-Provider activity in combining unbundled elements.

If USW technicians are legally or contractually required to perform the cross-connect function for the Co-Provider, the current Connecting Facility Assignment (CFA) process, in place today, must be used to provide the technicians the related cross-connect information.

8.07 The test call plan, involving "live" calls, was conducted on 5-5-99 and also on 6-7-99. Using a standard USW test call type expectation grid, actual calls were placed and the results documented (see chapter 6).

8.08 In the area of Co-Provider OS/DA branding the following was found:

- Front end mechanized Co-Provider branding was received on all calls to Operator Services and Directory Assistance.
- At the actual Operator terminal positions, OS/DA translation-driven table entries were required to display the ANI of our analog line port telephone number and the specific Co-Provider brand. Table updates were performed and the ANI and brand were displayed on subsequent calls.

- ❖ There were equipment limitations in the TOPS switch which prevented multiple Co-Provider branding for Direct Assistance. This will be resolved with the current on-going ISN NAV switch retrofit.

- ● On test calls resulting in charges (ie; Credit Card) the operator completed the call process and manually gave a back end branding of "Thank you for using XYZ". Operator procedures specified any received calls that do not have a brand displayed on the terminal, indicate a USW customer and receive "Thank you for using USW". Any calls displaying a brand on the terminal (ie; Co-Providers, Independent Company) indicate a Co-Provider customer and receive the specific brand.

8.09 Repair/Maintenance tests were conducted and trouble tickets successfully submitted through both mechanized IMA or direct calls into the Account Maintenance Service Center (AMSC). The trouble tickets were successfully processed through the various trouble resolution hand-offs and were completed.

Unbundled transport trouble tickets were successfully submitted through IMA even though the UDIT circuits were provisioned through EXACT.

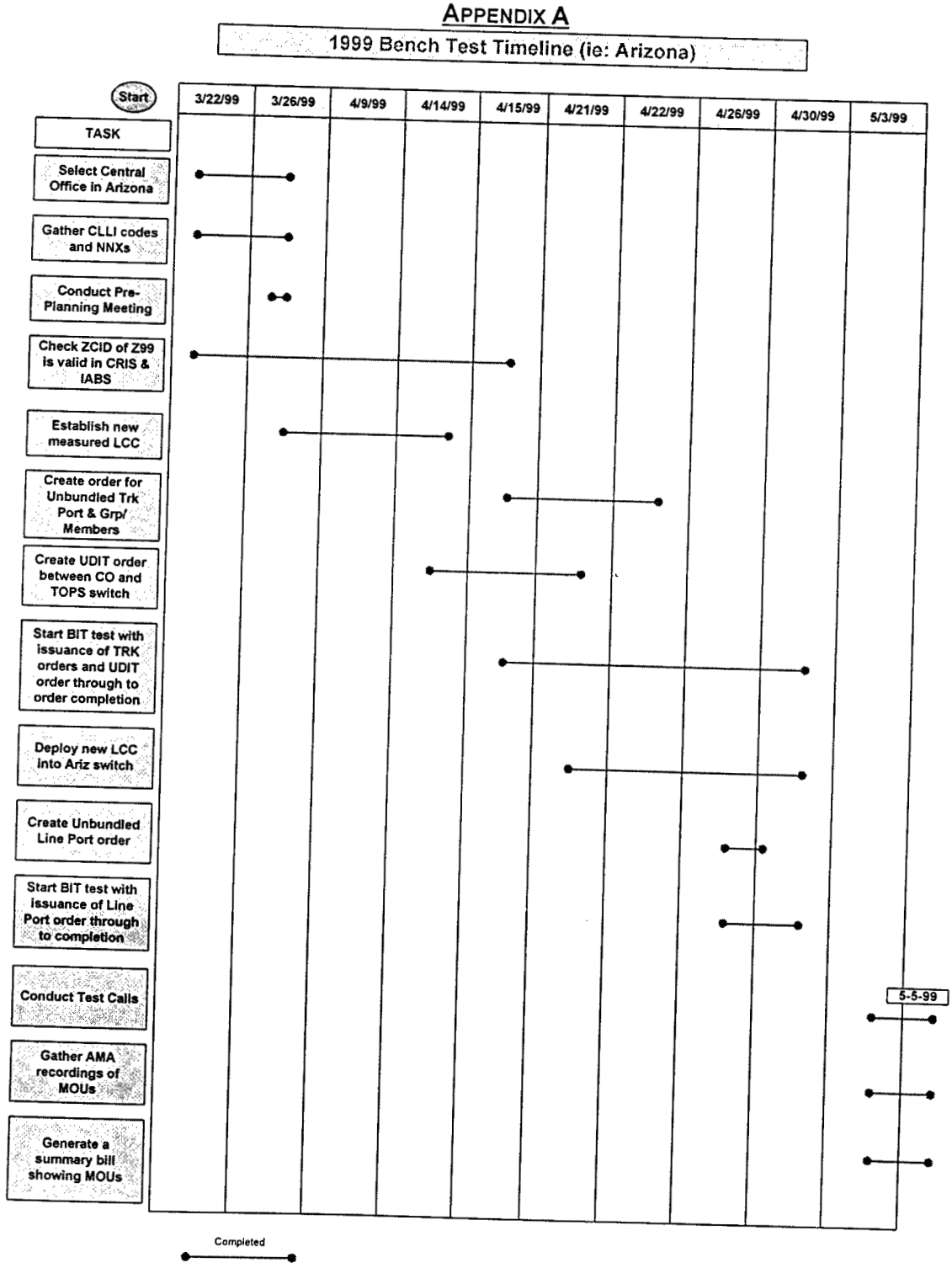
8.10 In summary, the 1999 Bench Test proved the validity of U S West's processes and systems and supported the advocacy on unbundled elements. It provides the validation required for Section 271 Checklist items #5 (unbundled transport) & #6 (unbundled switching).

The test also re-enforced the results from the 1998 Lab-controlled Bench Test by validating the tests in U S West's OSS Production environment in both Central and Eastern regions.

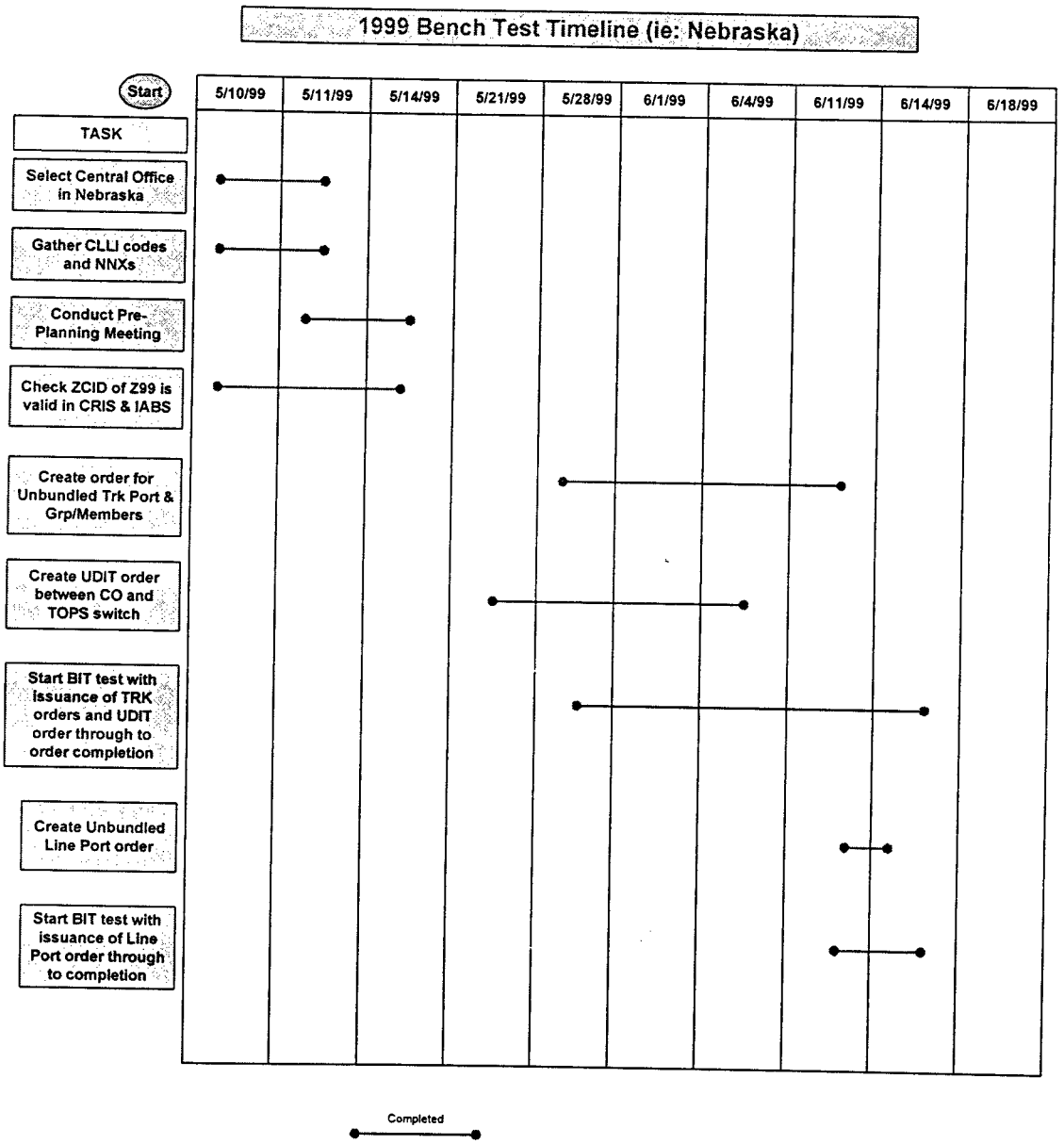
The additional Custom Routing test provided the opportunity to process complex translations within a TOPS switch to successfully route a Co-Provider dedicated OS/DA call completion and provide Co-Provider branding.

Arizona Corporation Commission
Docket No. T-00000B-97-0238
Qwest Corporation - KAS - 24
Exhibits of Karen A. Stewart
1999 Arizona Bench Test, July 21, 2000

APPENDIX A



APPENDIX A (CONTINUED)

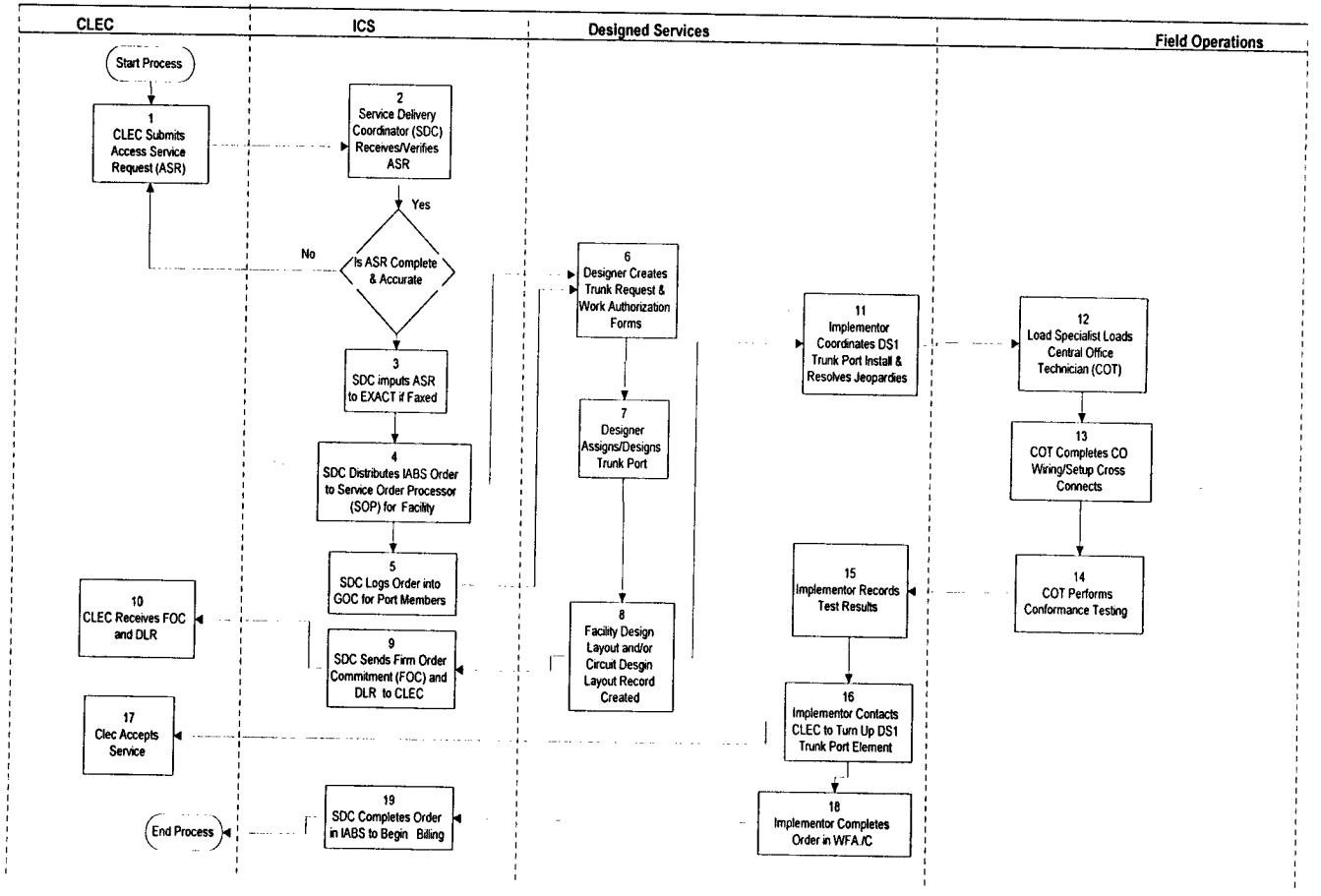


APPENDIX A (CONTINUED)

Issue/ Activity	Process Flow Reference	Status
Select Central Office in Arizona and Nebraska	Pre-Planning meeting with "simulated" Co-Provider and USW Account Team	**Completed** Phoenix NorthEast and Omaha, Nebraska central offices selected
Gather CLLI codes for switches, frames and NNXs involved	Pre-Planning meeting with "simulated" Co-Provider and USW Account Team	**Completed** CLLI were gathered and a 11 character ACTL created in CLONES to represent Co-Provider (PHNXAZNEHJ8)
Check ZCID of Z99 is valid in CRIS and IABS billing tables	Various Billing Account Number (BAN) tasks within Unbundled Switch & Transport	**Completed** This ZCID is for test purposes. Each Co-Provider has an unique ZCID
Conduct Pre-Order Mtg to fill out Customer Questionnaire and Custom Routing forms -Unbundled Line Port -OPS/DA switch port -Unbundled Trunk Port	Pre-Planning meeting with "simulated" Co-Provider and USW Account Team	**Completed** All M&Ps reflect the use of these questionnaires for on-going order activity
Establish new CLEC measured LCC based on Custom Routing forms	Custom Routing tasks	**Completed** Code=XYZ (test purposes)
Create Unbundled Switch DS1 Trunk Port Order and Trunk group/members orders	Unbundled Switch Trunk Port Tasks 3 & 4	**Completed** Orders submitted to BIT team for testing After test, all M&Ps updated to reflect test results. See Appendix A for detailed order sample
Create UDIT order between Wire Ctr and OPS/DA switch	Unbundled UDIT tasks 1-5	**Completed** Order submitted to BIT team for testing After test, all M&Ps updated to reflect test

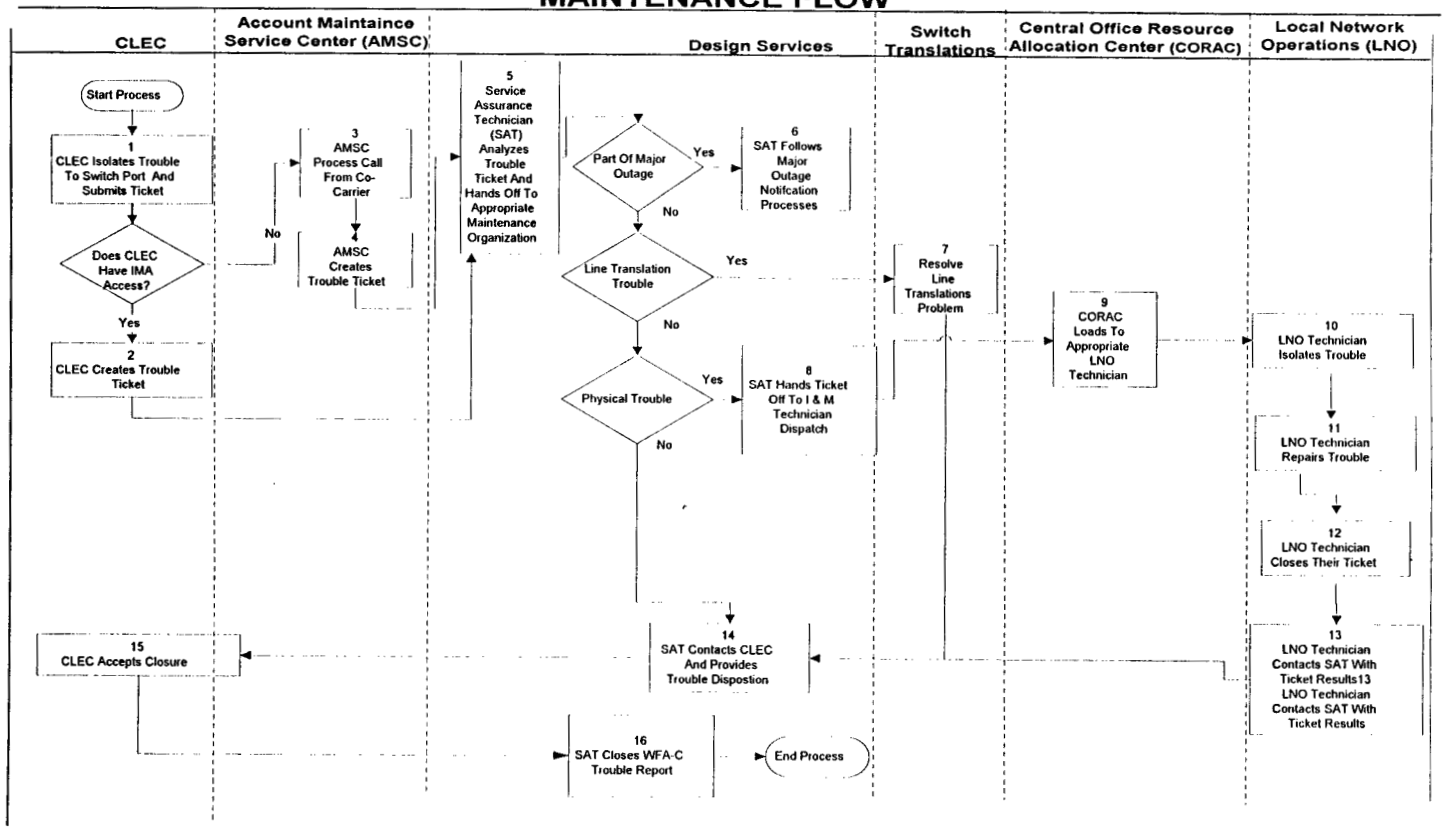
		results. See Appendix A for detailed order sample
Deploy new CLEC LCC into CO	Custom Routing tasks	**Completed** Deployed 4-29-99
Start Bit Test of Issuance of DS1 trunk Port, Trk group/ members &UDIT orders	Unbundled Switch Trunk Port tasks 4-12 Unbundled UDIT tasks 6-13	**Completed** Orders were wired and completed per the Design Documents.
Create Unbundled analog line port order	Unbundled Switch Line Port Tasks 1-7	**Completed** Order submitted to BIT After test, all M&Ps updated to reflect test results. See Appendix A for detailed order sample
Start Bit Test of Issuance of unbundled line port order	Unbundled Switch Line Port Tasks 8-16	**Completed** Orders were wired and completed per the Design Documents.
Conduct Test Calls using Test Plan		**Completed** Test conducted on 5-5-99 and the results can be found in Test Plan section
Gather AMA records of Minutes of Use for Local calls		**Completed** Sample AMA record trace completed
Create a bill which shows MOUs & access charges suppressed	Unbundled Elements various billing tasks	**Completed** Sample CRIS and IABS billing records generated

UNBUNDLED SWITCH DS1 MESSAGE TRUNK PORT PROVISIONING PROCESS FLOW



16	Implementor contacts CLEC for turn up, completes order in WFA/C
17	CLEC accepts Service
18	Implementor completes order in WFA/C
19	SDC completes order in EXACT and IABS to begin billing

UNBUNDLED SWITCH MAINTENANCE FLOW



Unbundled Switch Maintenance Task List

Assoc. Task #	Process
1 or 2	Trouble ticket submitted NOTE: If CLEC has a system interface they may submit report electronically. Otherwise CLEC calls AMSC to report trouble and steps 3 and 4 are required.
3	Process ticket received from CLEC
4	Trouble ticket created
5	Analyze trouble ticket, identify location, and assign to appropriate organization
6	If part of major outage SAT follows major outage notification processes **Note: then skip to step 13**
7	Translations Trouble is resolved **Note: then skip to step 13**
8	SAT hands off physical trouble to network operations
9	CORAC loads to appropriate LNO Technician
10	Trouble is isolated
11	Trouble repaired
12	Trouble ticket updated
13	Contact SAT with ticket results

14	CLEC notified
15 and 16	CLEC accepts service and Trouble ticket closed

Enhanced Extended Loop Diagram

Figure 1: Point to Point EEL

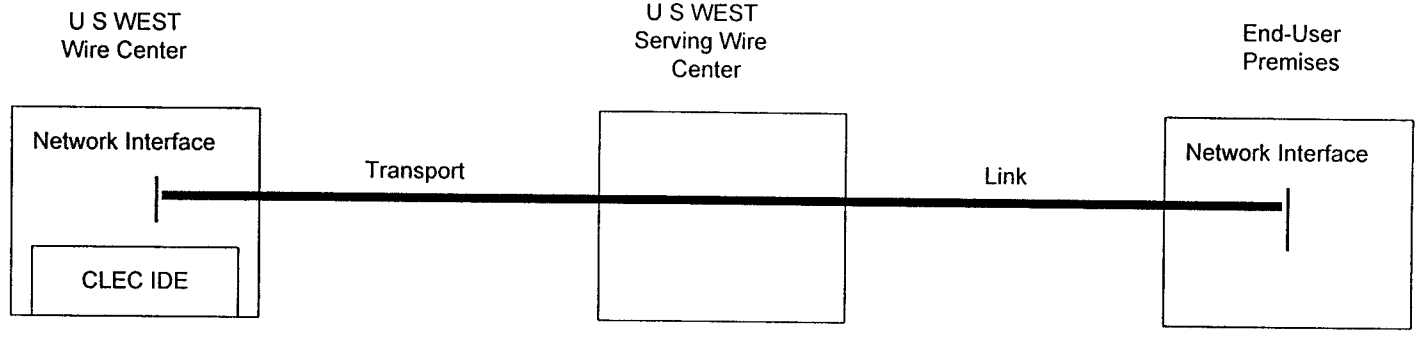
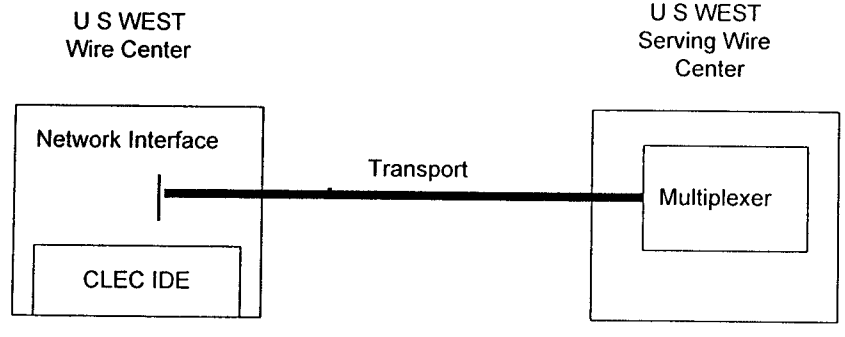
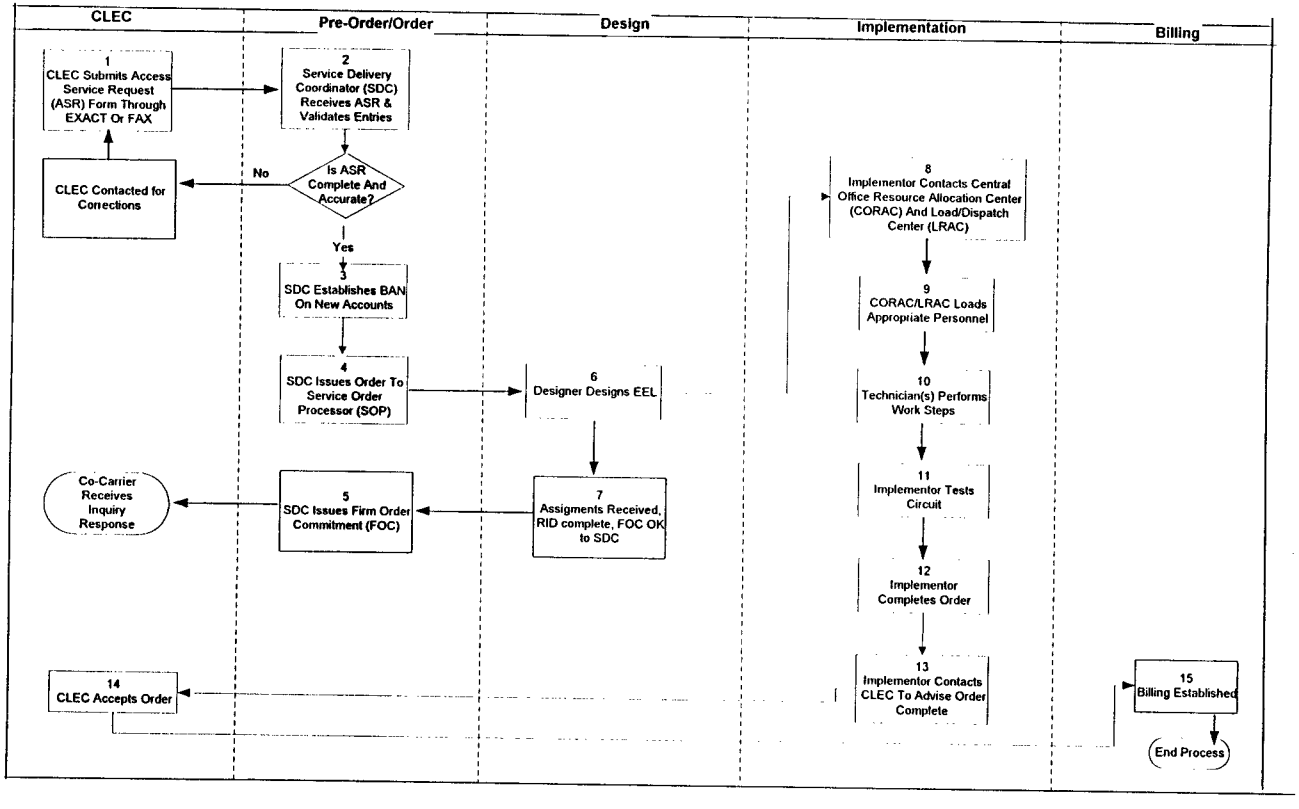


Figure 2: Multiplexed EEL



Enhanced Extended Loop (EEL) Provisioning Process

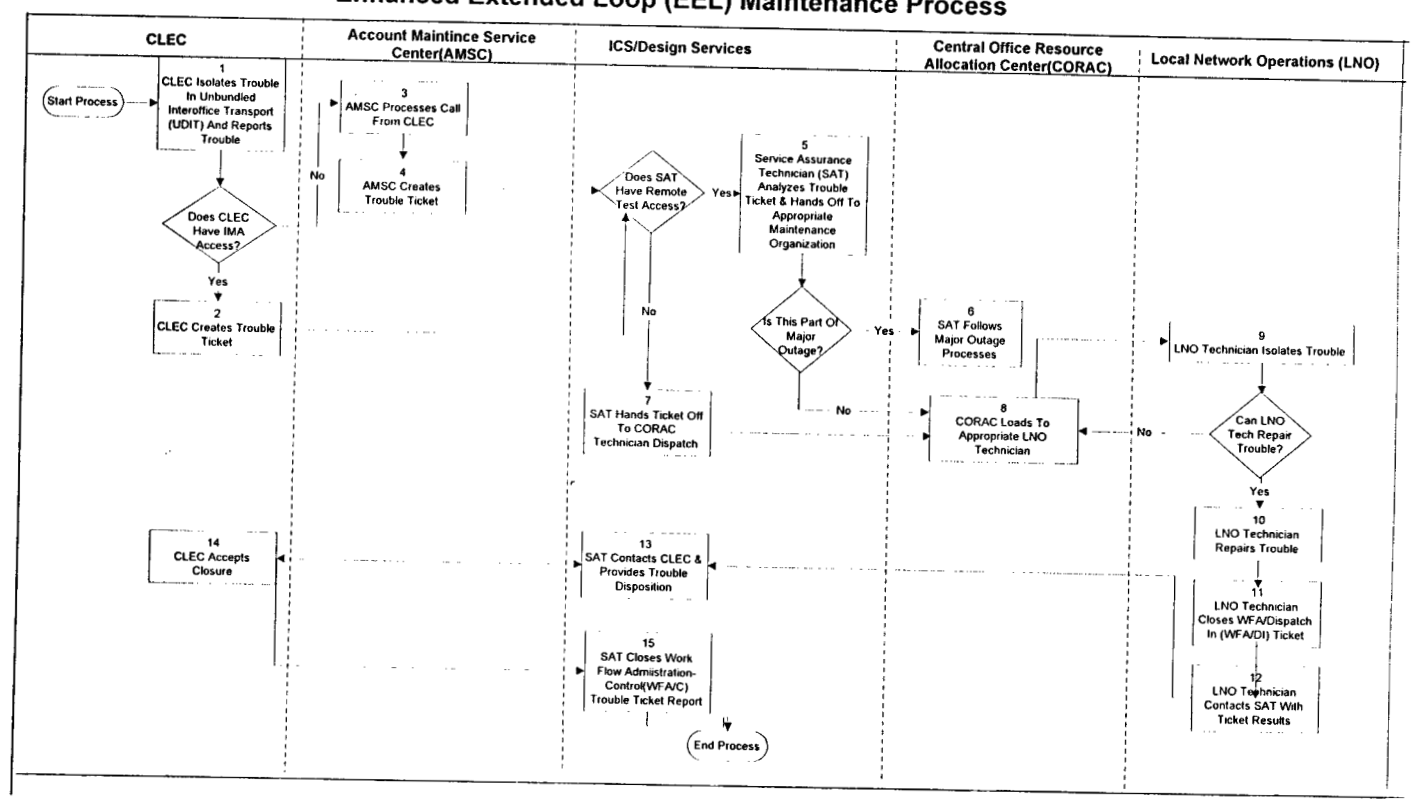


Enhanced Extended Loop (EEL) Provisioning Task List

Assoc. Task #	Process
1	Co-Provider Issues complete and accurate Access Service Request. These requests are issued through EXACT or by fax.
2	ASR and associated forms reviewed for completeness and accuracy by Service Delivery Coordinator (SDC). Contacts CLEC if necessary for corrections.
3	SDC establishes Billing Account Number (BAN) if necessary.
4	SDC issues order into the service order processor using appropriate intervals.
5	SDC receives OK from Designers (RID complete) and issues Firm Order Confirmation (FOC).
6	Unbundled Loop is designed in TIRKS
7	Design Center ensures Assignments are received, completes RID, and authorizes the SDC to issue FOC.
8	Implementor contacts Central Office Resource Allocation Center (CORAC) and the Load and Resource Allocation Center (LRAC).
9	CORAC/LRAC loads appropriate field personnel to perform work steps.
10	LNO, COT Technician(s) receive work request and complete work steps.
11	Implementor tests circuit
12	Implementor completes order and completes in WFA/C

13	Implementor contacts Co-Provider to advise order complete. CLEC accepts circuit.
14	Service orders completes and posts to begin billing.

Enhanced Extended Loop (EEL) Maintenance Process

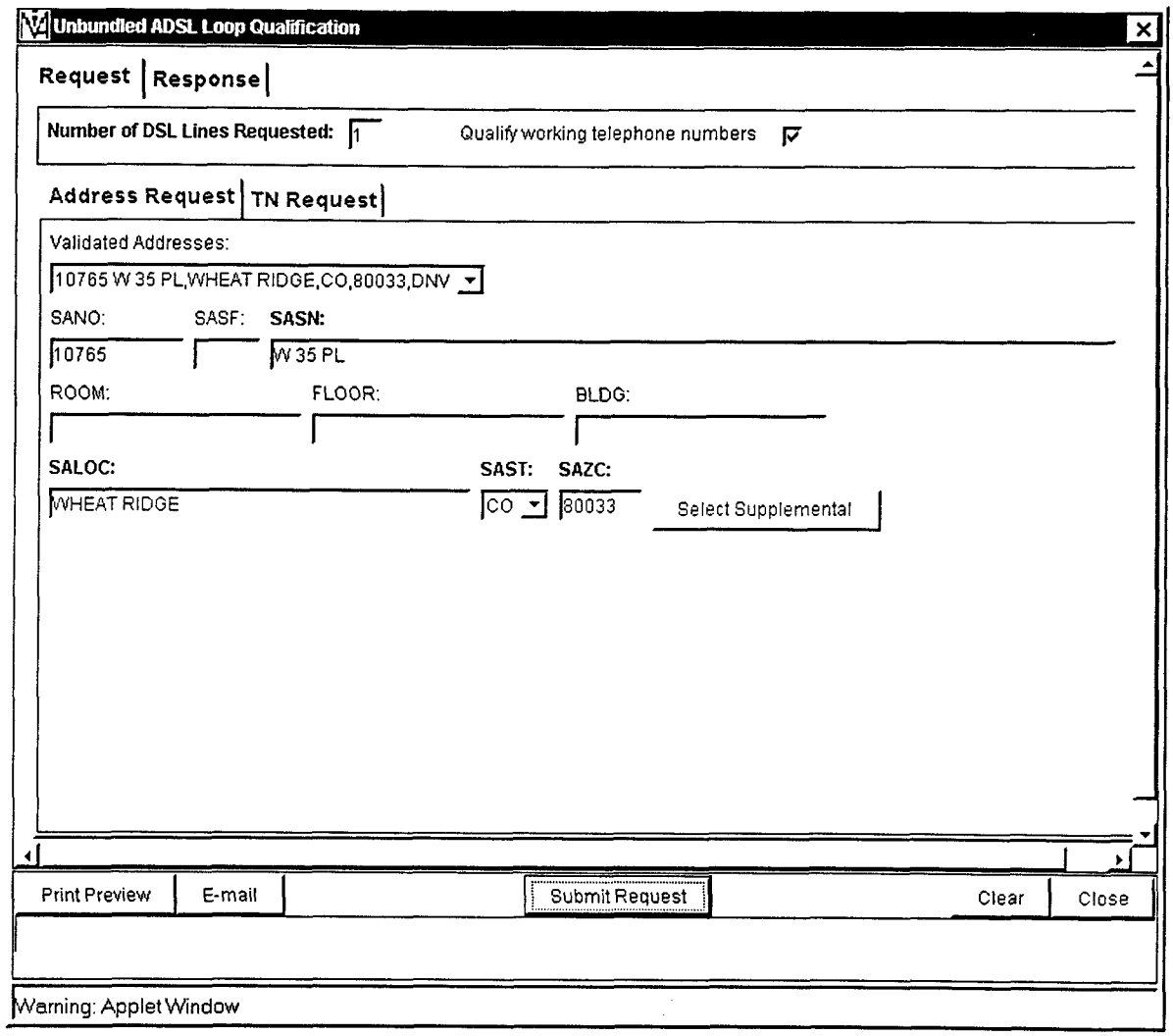


Enhanced Extended Loop (EEL) Maintenance Task List

Assoc. Task #	Process
1 or 2	Trouble ticket submitted NOTE: If CLEC has a system interface they may submit report electronically. Otherwise CLEC calls AMSC to report trouble and steps 3 and 4 are required.
3	Process ticket received from CLEC
4	Trouble ticket created
5	Analyze trouble ticket, identify location, and assign to appropriate organization
6	If trouble is related to a major outage SAT follows major outage notification processes
7	If trouble location can not be identified by SAT the SAT hands off tkt to CORAC to dispatch technician
8	CORAC loads to appropriate LNO Technician
9	Trouble is isolated
10	Trouble repaired
11	Trouble ticket updated
12	Contact SAT with ticket results
13	CLEC notified

14 and 15	CLEC accepts service and Trouble ticket closed

Local Loop


Unbundled ADSL Loop Qualification
Request
Response
Number of DSL Lines Requested: 1
Qualify working telephone numbers
Address Request
TN Request
Validated Addresses:
10765 W 35 PL,WHEAT RIDGE,CO,80033,DNV
SANO:
SASF:
SASN:
10765
W 35 PL
ROOM:
FLOOR:
BLDG:
SALOC:
SAST:
SAZC:
WHEAT RIDGE
CO
80033
Select Supplemental
Print Preview
E-mail
Submit Request
Clear
Close
Warning: Applet Window

Co-Provider Industry Change Management Process **U S WEST Wholesale Program**

CO-PROVIDER CHANGE REQUEST FORM

Submitted By:Fred Baros Date Submitted: 11-5-99

Co-Provider: Rhythms Links INC. Internal Ref#

Submitter: Fred Baros, Program Manager, fbaros@rhythms.net

Name, Title, and email/fax#

Proprietary for submission to Account Manager Only? Please check mark ✓ as appropriate

☐ Yes X No

Title of Change:

Enhancements to ADSL Loop Pre-qualification

Interfaces Impacted: Please check mark ✓ as appropriate

☐ CTAS	X IMA EDI	☐ MEDIACC	☐ TELIS
☐ EXACT	X IMA GUI	☐ Product Database	☐ Wholesale Billing Interfaces
☐ HEET	☐ Other		

Please describe

Description of Change:

Enhance ADSL Loop Pre-qualification so that the following information is provided:
- type of DLC (IDLC, UDLC), and variety (DISC*S, Slick 96, etc)
- gauge of loop
- length and location of individual bridge taps
- literal not surrogate presence and number of load coils (i.e. H88)
- presence of repeaters
- literal presence of DAMLs/UDCs.

Extend Loop Pre-qualification functionality to provide all loops
- revise pre-qual criteria so that loop make up data is provided on any type of loop not just those falling into the parameters that support the ADSL platform.

Volume Pre-qualification function:
Ability to issue a single request to qualify large volumes of loops (i.e. blocks of 100, by MSA, by wire center, by state, etc)

Known Dependencies:

None

Additional Information: (e.g., Attachments for business specifications and/or requirements documents)

Co-Provider Industry Change Management Process **U S WEST Wholesale Program**

Co-Provider Priority Level and #
X High ☐ Medium ☐ Low # _____ Desired Implementation Date: **12-15-99**

Co-Provider Industry Change Management Process **U S WEST Wholesale Program**

This Section to be Completed by U S WEST CICMP Manager

Co-Provider Industry Team Priority Level & #
☐ High ☐ Medium ☐ Low # _____ Desired Implementation Date: _____

Prioritization Process Category
☐ GUI ☐ Gateway ✓ Common

Log # **4261631** Acct Manager: Giuliana Brunner Notified: 11/08/99
Status: New – To be industry evaluated
(see Co-Provider CR Status Listing)

U S WEST CICMP Manager Clarification Request ☐ Yes ✓ No
If yes, clarification request sent: _____ Clarification received: _____

Co-Provider Industry Team Clarification Request ☐ Yes ☐ No
If yes, clarification request sent: _____ Clarification received: _____

Status, Evaluation and Implementation Comments:

11/05/99 Received submitted CR
11/08/99 Logged, validated, and updated to version 03 for CR. Received status of "New – To be industry evaluated". Sent email to Fred Baros with CR, Status, updated version, and prioritization category of "Common" included suggestion to include EDI as interface being effected.

Candidate for a Release ☐ Yes ☐ No
If yes, Release Number: _____

U S WEST Web-Based Wire Center Loop Make-Up

The web-based loop make-up information contains the following data entries. If a specific data item is not available or does not pertain the particular loop, then the field entry will be blank. For instance, if the loop only consists of F1 and F2, then the entry fields that correspond to F3 through F9 would be empty. Commas separate field entries and an empty field is designated by „.

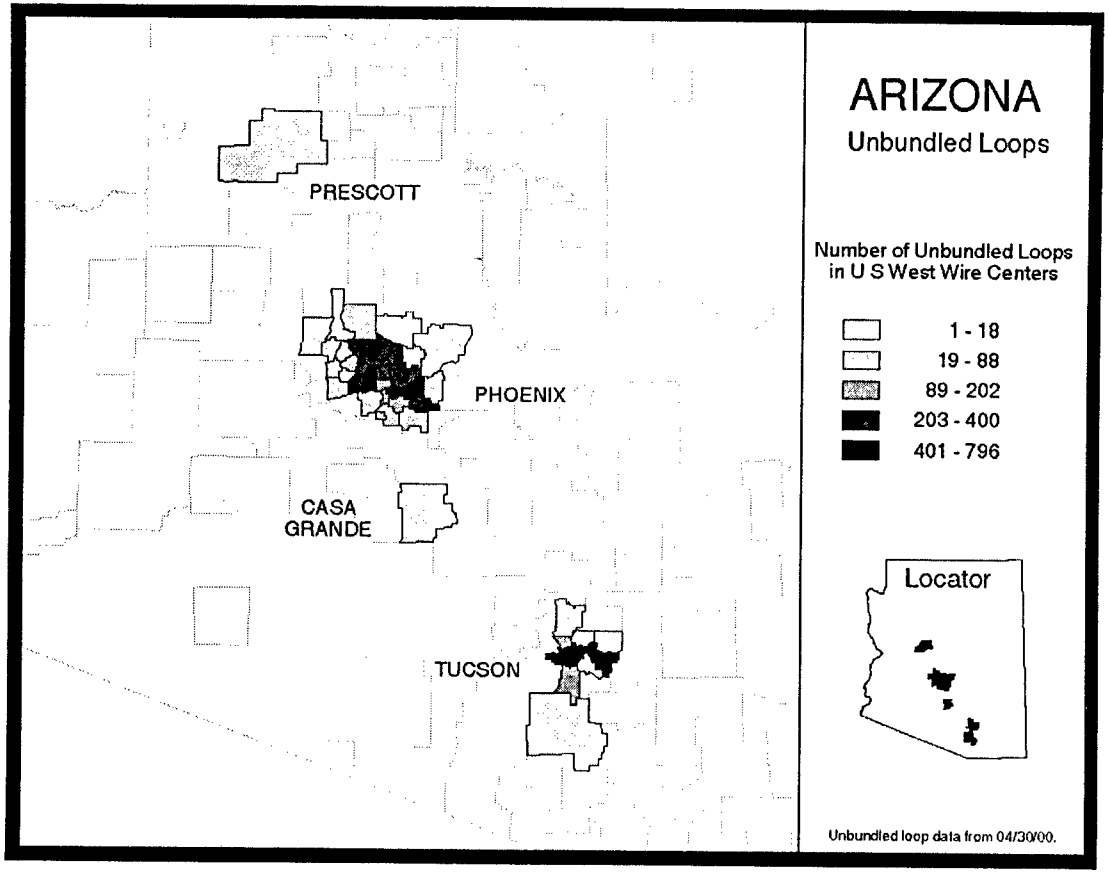
```
FILE_CREATION_DATE,WIRE_CENTER_CLLI,TELEPHONE_NUMBER,F1_CABLE_NAME,F2_CA
BLE_NAME,F3_CABLE_NAME,F4_CABLE_NAME,F5_CABLE_NAME,F6_CABLE_NAME,F7_CABL
E_NAME,F8_CABLE_NAME,F9_CABLE_NAME,F1_PAIR_NUMBER,F2_PAIR_NUMBER,F3_PAIR
_NUMBER,F4_PAIR_NUMBER,F5_PAIR_NUMBER,F6_PAIR_NUMBER,F7_PAIR_NUMBER,F8_P
AIR_NUMBER,F9_PAIR_NUMBER,F1_TERMINAL_ID,F2_TERMINAL_ID,F3_TERMINAL_ID,F
4_TERMINAL_ID,F5_TERMINAL_ID,F6_TERMINAL_ID,F7_TERMINAL_ID,F8_TERMINAL_I
D,F9_TERMINAL_ID,F1_MAKE_UP_DESC,F2_MAKE_UP_DESC,F3_MAKE_UP_DESC,F4_MAKE
_UP_DESC,F5_MAKE_UP_DESC,F6_MAKE_UP_DESC,F7_MAKE_UP_DESC,F8_MAKE_UP_DESC
,F9_MAKE_UP_DESC,F1_BRIDGE_TAP_OFFSET_DESC,F2_BRIDGE_TAP_OFFSET_DESC,F3_
BRIDGE_TAP_OFFSET_DESC,F4_BRIDGE_TAP_OFFSET_DESC,F5_BRIDGE_TAP_OFFSET_DE
SC,F6_BRIDGE_TAP_OFFSET_DESC,F7_BRIDGE_TAP_OFFSET_DESC,F8_BRIDGE_TAP_OFF
SET_DESC,F9_BRIDGE_TAP_OFFSET_DESC,F1_LOAD_COIL_TYPE,F2_LOAD_COIL_TYPE,F
3_LOAD_COIL_TYPE,F4_LOAD_COIL_TYPE,F5_LOAD_COIL_TYPE,F6_LOAD_COIL_TYPE,F
7_LOAD_COIL_TYPE,F8_LOAD_COIL_TYPE,F9_LOAD_COIL_TYPE,F1_PAIR_GAIN_TYPE,F
2_PAIR_GAIN_TYPE,F3_PAIR_GAIN_TYPE,F4_PAIR_GAIN_TYPE,F5_PAIR_GAIN_TYPE,F
6_PAIR_GAIN_TYPE,F7_PAIR_GAIN_TYPE,F8_PAIR_GAIN_TYPE,F9_PAIR_GAIN_TYPE,M
LT_DISTANCE,HOUSE_NUMBER,STREET_NAME,UNIT,FLOOR,BUILDING,COMMUNITY,STATE
_CODE
```

The loop make-up txt file would appear as follows, the commas separate the fields:

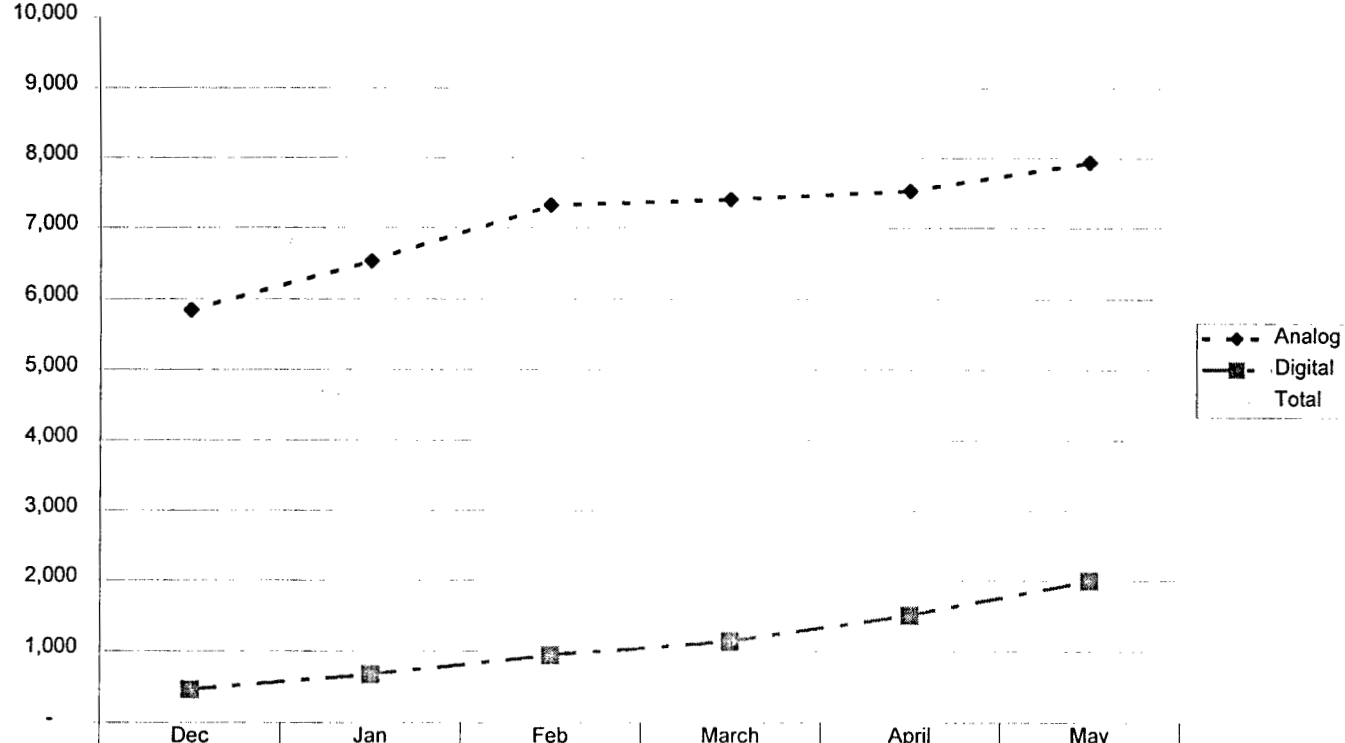
```
06-19-2000,CHNDAZMA,,25,1330P,,,,,,,,1086,773,,,,,,,,X 1330 W PALO VERDE
DR,F 1843 W ALAMO DR,,,,,,,,24NL 23.810kf ,24NL
7.016kf,,,,,,,,,,,,,,,,H88,,,,,,,,NO_PG,NO_PG,,,,,,,,34800,1846,W
ALAMO DR,,,,,
06-19-2000,CHNDAZMA,,25,1330P,,,,,,,,1086,773,,,,,,,,X 1330 W PALO VERDE
DR,F 1843 W ALAMO DR,,,,,,,,,24NL
7.016kf,,,,,,,,,,,,,,,,H88,,,,,,,,NO_PG,NO_PG,,,,,,,,34800,1846,W
ALAMO DR,,,,,
06-19-2000,CHNDAZMA,,IPG1,1960D,,,,,,,,1825,355,,,,,,,,X 1960 N DOBSON
RD,2019 W LEMON TREE PL 1174,,,,,,,,26NL 0.760kf 19NL 0.020kf ,26NL
0.165kf 24NL
0.802kf,,,,,,,,,,,,,,,,,,,,,,,,ISLC96,NO_PG,,,,,,,,2019,W LEMON TREE
PL,1174,,,,
```

Text files may be down loaded to an Excel spreedsheet. The data can be downloaded into Excel or a database built by the CO-PROVIDER. The format of the text file will remain constant

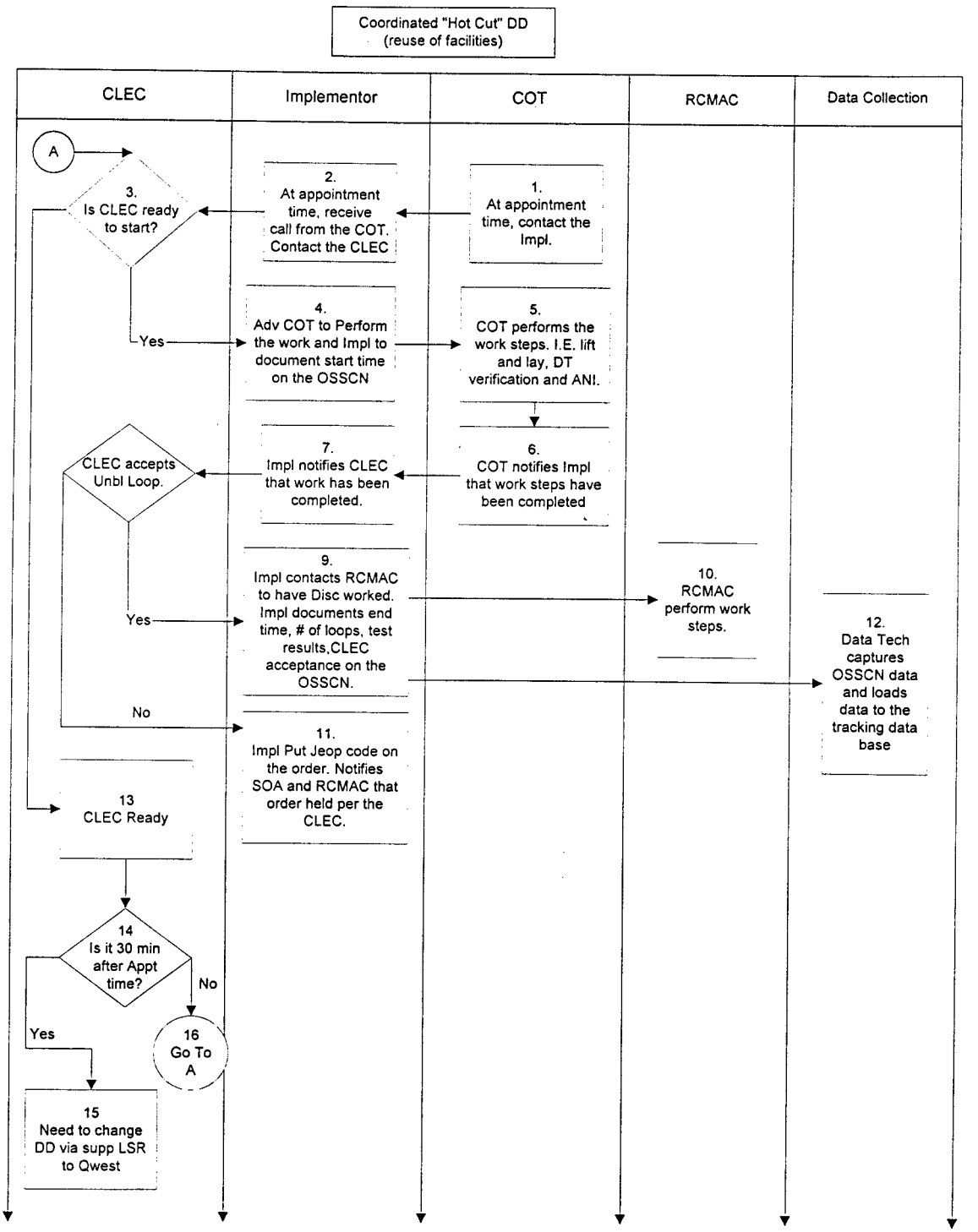
Unbundled Loops In Service



Arizona Unbundled Loops



	Dec	Jan	Feb	March	April	May
Analog	5,835	6,526	7,318	7,399	7,525	7,934
Digital	464	677	947	1,142	1,508	1,998
Total	6,299	7,203	8,265	8,541	9,033	9,932


Coordinated "Hot Cut" DD
(reuse of facilities)
CLEC
Implementor
COT
RCMAC
Data Collection
A
3.
Is CLEC ready to start?
2.
At appointment time, receive call from the COT. Contact the CLEC
1.
At appointment time, contact the Impl.
Yes
4.
Adv COT to Perform the work and Impl to document start time on the OSSCN
5.
COT performs the work steps. I.E. lift and lay, DT verification and ANI.
CLEC accepts Unbl Loop.
7.
Impl notifies CLEC that work has been completed.
6.
COT notifies Impl that work steps have been completed
Yes
9.
Impl contacts RCMAC to have Disc worked. Impl documents end time, # of loops, test results,CLEC acceptance on the OSSCN.
10.
RCMAC perform work steps.
12.
Data Tech captures OSSCN data and loads data to the tracking data base
No
11.
Impl Put Jeop code on the order. Notifies SOA and RCMAC that order held per the CLEC.
13
CLEC Ready
14
Is it 30 min after Appt time?
No
Yes
16
Go To A
15
Need to change DD via supp LSR to Qwest

Coordinated Hot Cut Reuse Process Task List

Task #	Activity
1	At the requested appointment time the Qwest central office technician (COT) contacts the Qwest implementor to indicate readiness to start the cut.
2	The Implementor contacts the CLEC to determine readiness.
3	Is the CLEC ready to begin the cut?
4	Implementor advises the COT to start the cut and document the start time of the cut.
5	The COT performs the central office wiring and appropriate tests. The COT documents the start time of the "lift" and the end of the "lay" process
6	The COT notifies the implementor that the work is complete and provides the implementor with: the "lift" and "lay" time and the test results.
7	The implementor documents the stop time of the cut and notifies the CLEC that the work is complete.
8	The CLEC accepts the loop, asks for additional tests or refuses to accept the loop.
9	Once CLEC accepts the loop, implementor contacts RCMAC and documents the cut information on the OSS-CN screen (see attached).
10	RCMAC completes any necessary work.
11	CLEC refuses to accept the loop, so the implementor enters a jeopardy code on the order and notifies the Service Order Administrator (SOA) and the RCMAC that the order will not be completed due to customer reasons.
12	CLEC gets ready
13	CLEC needs to determine if more than 30 minutes has passed since the scheduled appointment time.
14	If more than 30 minutes has passed the CLEC needs to contact Qwest and schedule a new appointment.
15	If less than 30, then call Qwest to start the cut ... go to step 1 and start the process.

Coordinated Cut Reuse

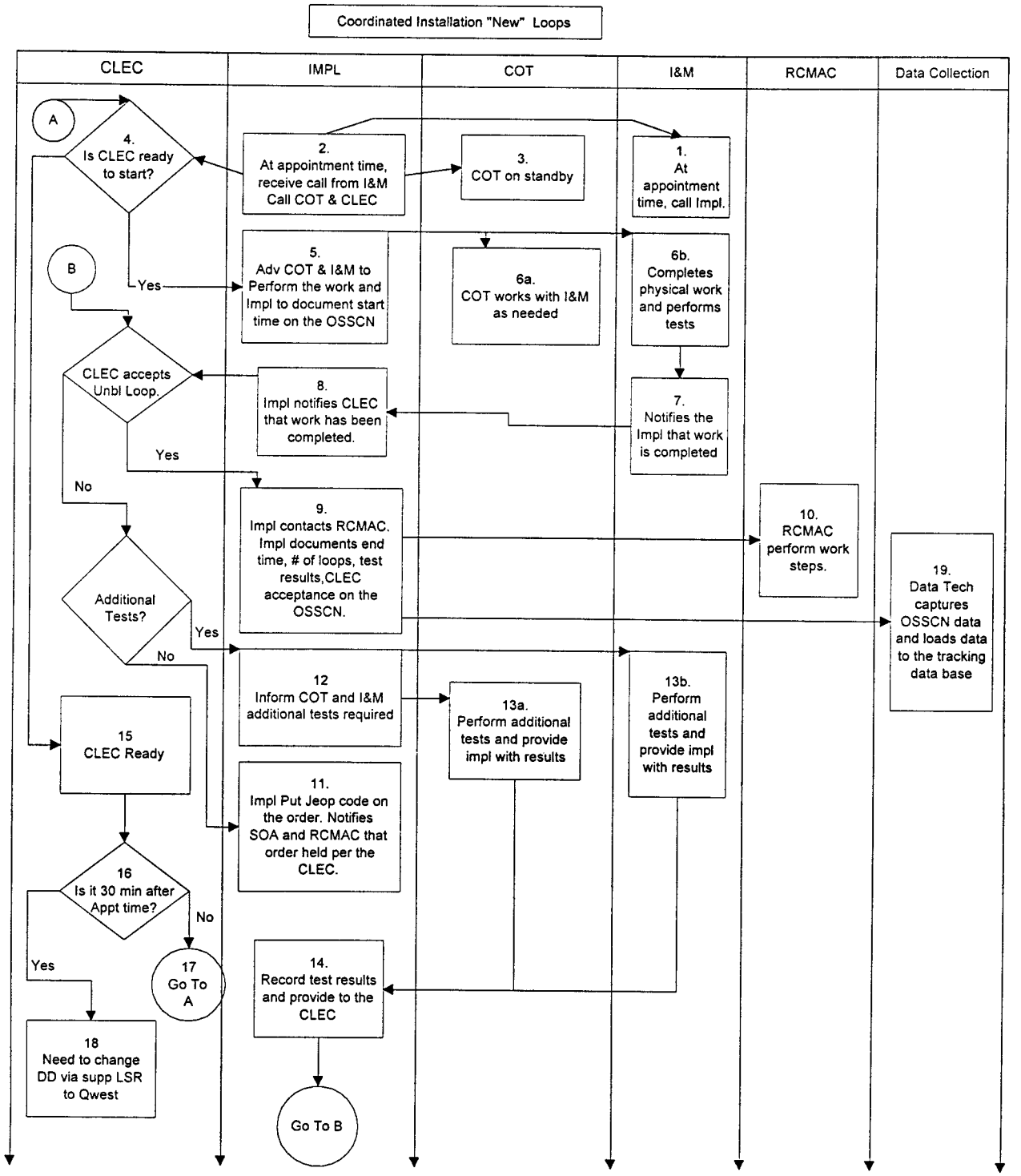
Required documentation by the Implementer

OSSCN Example

EXAMPLE OF REUSE

```
COMMAND                          WFAC: CIRCUIT NOTES (OSSCN)          /FOR
                                 PAGE    0001     OF     0001         06/21/00  08:54CDT
*********************************************************************
CKT                                        CAC          CKT SOURCE
ICTR                      MCTR                LAST CHG                    ID          CKT STAT
N
P1
P2
P1SN                      P2SN
C       NOTES
U       DMARC= NO DISPATCH, NO TAG
U       LCON= N/A
U       CLEC NAME= _____, TN ___-___-____
U       USWC CST/CDT= N/A
U       TSTR NAME=_____, TN ___-___-____
u       RCMAC NAME= _____, 800-513-5558 (_D_ORDER#_) TIME= ____
U       COT NAME= _____, TN= ___-___-____
U       TEST RESULTS= DT & ANI'D, ACCEPTED BY _____
U       START= ____ END= ____
U       LINES=__ LIFT=____ LAY=____
U       EARLY INSTALL APPRV'D=_____      VP EXPEDITE=_____
U       SEE MLT TEST RESULTS ON NEXT PAGE

SSC036V FIND FAILED. MISSING KEY FIELD VALUE.
```


Coordinated Installation "New" Loops
CLEC
IMPL
COT
I&M
RCMAC
Data Collection
A
4. Is CLEC ready to start?
2. At appointment time, receive call from I&M Call COT & CLEC
3. COT on standby
1. At appointment time, call Impl.
B
Yes
5. Adv COT & I&M to Perform the work and Impl to document start time on the OSSCN
6a. COT works with I&M as needed
6b. Completes physical work and performs tests
CLEC accepts Unbl Loop.
8. Impl notifies CLEC that work has been completed.
7. Notifies the Impl that work is completed
Yes
No
9. Impl contacts RCMAC. Impl documents end time, # of loops, test results,CLEC acceptance on the OSSCN.
10. RCMAC perform work steps.
19. Data Tech captures OSSCN data and loads data to the tracking data base
Additional Tests?
Yes
No
12 Inform COT and I&M additional tests required
13a. Perform additional tests and provide impl with results
13b. Perform additional tests and provide impl with results
15 CLEC Ready
11. Impl Put Jeop code on the order. Notifies SOA and RCMAC that order held per the CLEC.
16 Is it 30 min after Appt time?
No
Yes
17 Go To A
14. Record test results and provide to the CLEC
18 Need to change DD via supp LSR to Qwest
Go To B

Coordinated Installation New Loops Process
Task List

Task #	Activity
1	At the requested appointment time the Qwest Installation Technician (I&M) contacts the Qwest implementor to indicate readiness to start the cut.
2	The Implementor contacts the Central Office Technician (COT) and the CLEC to determine readiness.
3	COT on standby alert for testing
4	Is the CLEC ready to begin the cut?
5	Implementor tells I&M t and COT to start and documents the start time on the OSS-CN screen.
6a	COT performs any tests requested by I&M
6b	I&M completes the wiring at the end user location and performs required tests.
7	The I&M notifies the implementor that the work is complete and provides the test results.
8	The implementor documents the stop time and notifies the CLEC that the work is complete.
9	Once CLEC accepts the loop, implementor contacts RCMAC and documents the cut information on the OSS-CN screen
10	RCMAC completes any necessary work.
11	CLEC refuses to accept the loop, so a jeopardy code is entered on the order and the Service Order Administrator (SOA) and the RCMAC are notified hat the order will not be completed.
12	CLEC wants additional tests so Implementor notifies COT and I&M.
13a	COT participates as needed in additional tests.
13b	I&M participates as needed in additional tests and provides implementor with the results.
14	Implementor provides results and ensures CLEC has test results
15	CLEC gets ready for the installation
16	CLEC needs to determine if more than 30 minutes has passed since the scheduled appointment time.
17	If less than 30 minutes than the CLEC notifies the implementor that they are ready.
18	If more than 30 minutes has passed the CLEC needs to contact Qwest and schedule a new appointment.
19	The data technician records the data from the OSS CN screen into the tracking database.

UNBUNDLED LOOP MAINTENANCE FLOW